SMITHSONIAN INSTITUTION LIBRARIES

SMITHSONIAN INSTITUTION LIBRARIES

A

GENERAL INDEX

OF THE

AGRICULTURAL REPORTS

OF THE

PATENT OFFICE,

FOR

Twenty-five Years, from 1837 to 1861;

AND OF THE

DEPARTMENT OF AGRICULTURE,

FOR

Fifteen Years, from 1862 to 1876.

BY THE COMMISSIONER OF AGRICULTURE.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1879.

075
5U51
79
2
T

A

GENERAL INDEX

OF THE

AGRICULTURAL REPORTS

OF THE

PATENT OFFICE,

FOR

Twenty-five Years, from 1837 to 1861;

AND OF THE

DEPARTMENT OF AGRICULTURE,

FOR

Fifteen Years, from 1862 to 1876.

BY THE COMMISSIONER OF AGRICULTURE.

LIBRARY, U.S. NATIONAL MUSEUM.
136450
JUN 7 1890
SMITHSONIAN INSTITUTION.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1879.

CONTENTS.

	Page.
I. Index of Subjects	5
II. Index of Scientific Names	171
1. Of Birds	171
2. Of Fishes	174
3. Of Insects	176
4. Of Mammals	187
5. Of Plants	189

I.—INDEX OF SUBJECTS.

Abortion,
in cows, 1866, 72; 1867, 97; 1869, 38; 1870, 493; 1871, 34; 1872, 35; 1874, 38; 1875, 34;
report on, 1868, 493.
Academy,
Hohenheim, 1868, 148.
Joel Barlow's prospectus for a national, 1866, 517.
of Agriculture, at Poppelsdorf, 1868, 145.
Royal Würtemberg Agricultural and Forestry, courses of study in, 1868, 151.
Acarus,
description and habits of, 1869, 386.
itch on man caused by, 1864, 564.
of sheep-scab, the (art. on), 1869, 386.
remedies for, 1869, 387.
scab on sheep caused by, 1864, 563.
Acclimation,
and domestication of animals (art. on), 1859, 207.
of Indian corn, 1853, 98.
plants, remarks on, 1863, 512; 1867, 363.
rice, 1843, 3.
seeds (art. on), 1843, 164.
the yak, 1869, 439.
wheat, 1871, 401.
progress of, in Australia, 1869, 630.
Acclimatization,
of animals, society for, 1861, 327.
plants, 1854, 431.
of the alpaca and llama, 1861, 328.
supposed impracticability of, 1870, 170.
Accounts,
system of farm (art. on), 1865, 502.
Acetometer,
the, and its uses, 1860, 332.
Acid,
acetic, in wine, 1860, 344.
boracic, preserving action of, 1872, 453.
carbolic, and rinderpest, 1870, 611.
for killing parasites, 1870, 488.
carbonic, in fermentation, 1860, 343.
proportion of, in pure air, 1855, 132.
nitric, production of, by lightning, 1857, 479.
phosphoric, and potash, 1873, 300.
as a fertilizer, 1861, 576; 1875, 506.
plant-food, 1871, 91.
cash value of, 1868, 72.
dosing, 1860, 78.
quantity of, in 100 bushels of wheat, 1871, 93.
retention of, in clay soils, 1872, 458.
source of, 1871, 91.
silicic, as a manure, 1861, 579.
sulphuric, as a fertilizer, 1861, 579.
cash value of, 1868, 72.
tannic, determination and percentage of, in some woods, 1873, 181.
Acorns,
species of, eaten by the Indians, 1870, 409.
Addas,
history and uses of, 1859, 21.
Agave,
alcohol from, 1856, 254.
as a fiber-plant, 1863, 108.
introduction of, into Florida, 1855, 242.
Sisal hemp from, 1855, 243; 1856, 252.

Agricultural,
and mechanical colleges, 1876, 326.
appropriations, statistics of, 1876, 358.
comparative extent of, 1876, 89.
books, review of recent (art. on), 1868, 555.
Bureau (art.), 1851, 653.
cabinet, establishment of, 1864, 13.
capabilities of the Great Plains (art.), 1857, 294.
Territories (art.), 1859, 601.
chemistry, true relations of, 1848, 213.
circular and replies, 1851, 129; 1852, 58.
climatology of the United States (art.), 1853, 328.
education (arts.), 1850, 145; 1851, 19, 31; 1868, 1.
in Europe (art.), 1868, 127.
exhaustion, Southern (art.), 1852, 373.
exhibition at Hamburg (art.), 1863, 19.
exports of the United States, 1865, 80; 1866, 94; 1867, 127; 1868, 52; 1869, 54; 1870, 62; 1872, 54; 1873, 84; 1874, 71; 1875, 99; 1876, 162.
facts of the year (art.), 1869, 428.
fairs, establishment of, 1866, 516.
implements and machines (art.), 1870, 392.
direction of improvement in, 1869, 318.
exports of, 1872, 80.
manufacture of, in Wisconsin, 1869, 538.
improvement (art.), 1845, 376.
institutions of Germany, 1868, 137.
inventions, patents for, 1859, 572; 1860, 477; 1861, 637.
journals, list of, in the United States, 1845, 1165.
labor, relative profit of, 1862, 556.
literature, American (art.), 1852, 16.
machinery (art.), 1863, 416.
machines and implements (art.), 1870, 392.
meteorology (arts.), 1849, 38; 1869, 97; 1870, 113.
ornithology (art.), 1863, 287.
patents of the year (arts.), 1869, 315; 1871, 211.
periodicals, horticultural and, 1867, 404; 1868, 608; 1870, 544.
production in the several European states, 1876, 255, 270.
products imported into the United Kingdom, 1848, 736.
of the United States, synopsis of, 1857, 30.
resources of Alaska, 1868, 172–189.
California, 1866, 581–610.
returns, British, 1872, 445.
schools of Prussia, 1859, 457–460.
science, recent progress of, 1860, 79–140.
societies and clubs, 1867, 364–403.
condensed reports on, 1858, 92.
first establishment of, in the United States, 1857, 21; 1866, 513.
historical sketch of (arts. on), 1859, 22; 1875, 438.
topography and resources of Montana Territory, 1871, 431–448.
Agriculture,
Advisory Board of, 1858, IV.
American, as an art, 1852, 3.
general view of, 1849, 22–37.
and agricultural education (arts. on), 1851, 1; 1852, 1.
botany of the Rocky Mountain basins, 1866, 125–131.
irrigation in Utah, 1869, 431.
rural economy, American works on, 1868, 597.
the horse, 1873, 313.
application of chemistry to, 1876, 400.
basis of improvement in, 1867, 2.
change in European methods of, 1870, 448.
Chinese, and its principal products, 1860, 467–476.
labor in, 1870, 572–576.
comparison of English and French, 1860, 161–165.
condition of, at the outbreak of the Revolution, 1872, 281.
in the cotton States, 1874, 215–238.
connection of the seasons with, 1864, 329–356.
of, with meteorology (art. on), 1857, 419.
current facts in, 1868, 435; 1869, 428; 1870, 438; 1871, 228; 1872, 433; 1873, 272; 1874, 265; 1875, 502.

Agriculture,
defective system of Southern, 1860, 226.
definition of, 1869, 98.
demands of, on science, 1860, 79.
encouragement of, in Prussia, 1857, 7.
Russia, 1857, 2.
the United States, 1857, 13.
forces used in, 1860, 83.
French, 1845, 1038.
history of Connecticut State Board of, 1875, 438.
Indiana State Board of, 1875, 443.
Kansas State Board of, 1875, 445.
Massachusetts State Board of, 1875, 448.
New Hampshire State Board of, 1875, 455.
Vermont State Board of, 1875, 465.
in Australia, report on, 1874, 437.
California, 1851, 3–7; 1862, 588–599.
Indian Department of, 1871, 234.
influence of manufactures on, 1862, 555; 1873, 75.
in Italy, 1876, 283.
Japan, 1873, 364–374.
Spain, 1876, 287.
international statistics of, 1876, 254.
in the vicinity of Naples and Rome, 1859, 130.
inventions in, 1843, 311; 1844, 508; 1845, 28; 1846, 17; 1847, 19; 1848, 23.
in Virginia in 1870, 1870, 267.
leading nations in, 1868, 128.
Liebig's theory of, examined by Prof. F. G. Schulze, 1848, 195.
Lord Bacon on encouragement of, 1874, 235.
machinery of, 1860, 80.
manufactures and commerce of the United States, 1862, 556.
manual of, for the Southern States, 1871, 421.
of Georgia, 1866, 572.
Maine, 1862, 39–59.
Morocco, 1862, 499–508.
San Bernardino County, 1861, 157–165.
Sweden, 1864, 495.
the Cavalier English colonies, 1866, 504.
French colonists, 1866, 510.
Indians, 1866, 498.
Puritan English colonists, 1866, 501.
Revolutionary period, 1866, 512.
United States, 1866, 498–527.
plea for, 1850, 127.
politics of, 1867, viii.
population of Great Britain engaged in, 1842, 8.
the United States engaged in, 1842, 8; 1862, 556; 1872, 9; 1873, 74; 1874, 120.
progress in, 1867, v.
of, 1857, 1–50.
provisions made for, by the countries of Europe, 1860, 6.
United States, 1860, 11.
relations of, to other industries, 1871, 449–465.
the Centennial, 1871, 288–306.
retrogression in, 1867, vii.
scientific, in France, 1860, 83.
Germany, 1868, 138.
Southern, 1867, 12; 1868, 2; 1869, 8.
(art. on), 86 412.
southern, great error in, 1852, 373.
peculiar wants of, 1868, 396.
Spanish colonial, 1866, 500.
systematic, 1868, 2.
the elements of, 1868, 555.
future of, in Northern Michigan, 1876, 403.
twelve lectures on, 1871, 424.
Agriculturists,
field of study and duty of, 1867, 317.
meeting of the German, at Breslau, 1847, 239.

Ailanthus,
adaptation of, to dry soils, 1870, 22.
forest-culture in the West, 1872, 163.
as an ornamental tree, 1868, 201.
tenacity and density of, 1865, 93.
Ailantus,
for live fence, 1854, 404.
remedy for the odor of, 1870, 614.
Air,
agency of, in the growth of crops, 1861, 279.
density of, at increasing altitudes, 1856, 466.
effect of impure, on the system, 1855, 131.
surface currents of, 1858, 472.
Alabama,
Agricultural and Mechanical College of. (See College.)
alfalfa in, 1873, 236.
cotton per acre in, 1854, 184.
crops in, remarks on, 1848, 503; 1849, 148; 1850, 194, 284, 301, 459; 1851, 329, 333; 1852, 69.
crops in, tabular estimate of. (See Crops.)
fences in, 1871, 503.
forests and timber in, 1875, 277.
fruit-growing, 1871, 155.
Guinea grass in, 1873, 239.
horse and mule raising in, 1854, 22.
lands in, public, 1868, 465.
relative value of, 1867, 105, 114.
live-stock in, number and value of, 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral fertilizers in, 1869, 550.
tripoli in, 1851, 652.
weights and measures of, 1871, 222.
Alaska,
agricultural resources of, report on, 1868, 172.
food-fishes of, 1870, 375–392.
inhabitants of, 1868, 175, 182, 184.
isothermal lines of (map), 1869, 638.
natural productions of, 1868, 175, 184.
soil of, 1868, 172, 183.
useful indigenous plants of, 1868, 187.
Alaternus,
for ornamental hedges, 1854, 396.
Albumen,
analysis of, 1865, 411.
Alcohol,
from beet-root, 1869, 339.
sorghum, 1862, 522.
mode of purifying, 1859, 370.
properties of, 1860, 342.
Alder,
European, for hedges, 1854, 405,
with lacinated foliage, 1868, 202.
Aleurodes,
various kinds of, 1876, 45.
Alfalfa,
(art. on), 1875, 394.
for forage, 1869, 90; 1872, 420.
in California, 1871, 235; 1873, 280; 1874, 276.
on sage-brush land, 1872, 450.
test experiments with, 1872, 419, 420; 1873, 236.
Algaroba,
fruit of, for horses and mules, 1859, 563.
Alkali,
lands, 1871, 270.
of the Western plains, analysis of, 1870, 96.
soils, analysis of, 1870, 100.
Alligator-apple,
for food, 1867, 144.

Allspice,
oil, 1870, 179.
source and uses of, 1870, 200.
Almond,
cultivation of, in Florida, 1867, 146.
Georgia, 1858, 380.
Sicily, 1859, 115.
interrogatories on, 1858, 42.
origin and uses of, 1855, XVII.
earth, cultivation of, in the Middle and Southern States, 1854, 349; 1855, XIII.
earth, cultivation of, in Spain, 1854, XVII.
Aloe,
American, as food of the Indians, 1870, 405.
different kinds of, 1870, 185, 189.
uses of, in Sicily, 1859, 119.
Alpaca,
acclimatization of the, and the llama, 1861, 328.
and llama, the, 1857, 66–71.
flesh of, for food, 1857, 67; 1862, 23.
hybridization of, with the guanaco, 1865, 96.
llama, 1845, 344; 1857, 69; 1865, 96.
vicuña, 1857, 69; 1865, 96.
introduction of the, 1875, 437.
naturalization of the, in the British Isles, 1844, 400–402.
Ireland and Scotland, 1844, 404; 1845, 344.
the, or sheep of the Andes, 1844, 402, 405.
weight of clip of, 1844, 403.
wool of, imported into Great Britain, 1844, 405.
Liverpool, 1845, 1022.
Alsike,
clover, excellencies of, 1876, 413.
Althæa,
frutex, for hedge, 1854, 405.
Alumina,
as a fertilizer, 1860, 49.
Aluminum,
description of, 1860, 49.
Ammonia,
crops improved by, 1872, 398.
loss of, from manure, 1872, 436.
manufacture of, from gas-water, 1862, 432.
proportion of, in the atmosphere, 1849, 38.
quantity of, derived from the atmosphere, 1871, 90.
in twenty-five bushels of wheat, 1871, 89.
salts of, 1845, 1040.
Ammoniacum,
source and uses of, 1870, 183.
Amphiscepa,
bivittata, 1876, 28.
Analysis,
in the laboratory of the Department, 1862, 509; 1864, 532; 1865, 46; 1866, 45; 1867, 31; 1868, 59; 1869, 65; 1870, 92; 1871, 94; 1872, 138; 1873, 170; 1874, 149; 1875, 142.
mineral and metallurgic, 1866, 50.
miscellaneous, 1872, 140.
of alkali of the Western plains, 1870, 96, 100.
American tanning materials, 1876, 52.
wines, 1876, 53.
annotto, 1876, 47.
artichoke, 1865, 415; 1870, 299.
ashes of the tobacco-plant, 1858, 300–306.
bagasse, 1856, 308.
barley, 1865, 357, 401, 426; 1873, 303.
bat-guano, 1876, 51.
beans, 1849, 487; 1865, 401, 428.
castor, 1874, 152.
Borden's condensed milk, 1876, 49.
brines, 1869, 574.
broom-corn, 1849, 473.
buckwheat, 1849, 474.

Analysis,
of cabbage, 1870, 299.
cane-juice, 1855, 274.
sorghum, 1857, 189, 193; 1862, 523; 1866, 48.
carrot, 1865, 415; 1870, 299.
cereals, 1873, 177.
chufa, 1857, 165.
cinchona, 1866, 460.
clover, 1849, 486; 1861, 271; 1870, 299; 1874, 150.
coal, 1870, 95.
copper ore, 1865, 51, 52.
pyrites, 1865, 51.
coprolites, 1856, 238.
coral-sand, 1856, 237.
corn, Indian, 1849, 470; 1857, 160; 1861, 271, 287; 1865, 401; 1873, 179.
corn-cobs, 1855, 163–167.
cotton, 1857, 297, 301.
cotton-seed, 1849, 317; 1855, 237; 1857, 298, 302, 303; 1874, 220.
cotton-soils, 1857, 296–304.
cottonwood, 1849, 317.
cundurango, 1871, 98.
excrements, solid and liquid, 1872, 149.
factory cheese from different States, 1876, 47.
fertilizers, 1849, 10; 1869, 428; 1871, 228; 1873, 170.
flaxseed, 1849, 488.
flesh of ruminating animals, 1865, 409.
fodder, green, 1870, 299; 1874, 149.
food, 1861, 360; 1865, 419; 1870, 107.
fruit-trees, 1849, 475.
gas-lime, 1856, 223.
grape juice, from native grapes, 1859, 44, 55; 1862, 509; 1864, 127; 1866, 46.
grasses, 1865, 401, 420; 1877, 299.
guano, 1864, 538; 1865, 380; 1869, 74.
gypsum, 1868, 378; 1869, 569; 1870, 95.
hominy offal, 1873, 180.
hop, 1850, 545; 1857, 282; 1864, 103.
iron ore, 1865, 50.
lentils, 1865, 428.
limestone, 1856, 240; 1868, 371, 372, 374, 376, 377, 381, 383, 384, 387; 1869, 552, 555, 560, 562, 566, 568, 575, 578, 580, 582; 1875, 142.
linseed-cake, 1865, 429.
lucern, 1870, 299.
magnesia, carbonate of, 1856, 239.
maize, 1865, 357; 1870, 299.
mangel-wurzel, 1865, 416.
manures, commercial, 1871, 94.
stable, 1874, 266.
marls, 1849, 10; 1865, 288; 1868, 61, 371, 373, 374, 376, 378, 381, 384, 388; 1869, 72, 555, 564, 567, 574; 1870, 98; 1876, 55.
meat extract, 1870, 105.
Mesembryanthemum crystallinum, 1876, 53, 54.
milk, 1864, 165; 1865, 412; 1870, 617.
muck, 1870, 98; 1872, 141.
oats, 1861, 271; 1865, 357, 401, 427; 1870, 299.
oil-rock, 1865, 53.
oleomargarine cheese, 1876, 48.
onion, 1869, 216.
opium, 1870, 208; 1873, 174.
our forest resources, Brewer's (art. on), 1875, 352.
parsnip, 1865, 415; 1870, 299.
peas, 1849, 487; 1865, 401, 428; 1870, 299.
cow, 1874, 149.
phosphates, South Carolina, 1868, 74, 400.
poison soil of Texas, 1872, 142.
potato, 1857, 165; 1865, 413; 1870, 299, 616.
sweet, 1869, 75.
prairie soil, 1849, 488.
pumpkins, 1870, 299.
rhubarb, 1835, 50.
rice, 1865, 357.

Analysis,
of roots, 1870, 299.
ruta-baga, 1865, 417.
rye, 1861, 271; 1865, 357, 401, 426; 1870, 299.
sand-rock, 1865, 49.
sea-weed, 1866, 425.
silver ore, 1865, 49.
sirup, sorghum, 1862, 526.
soils, 1849, 10; 1860, 106; 1865, 46–50; 1867, 192; 1869, 71; 1871, 100; 1873, 175, 302.
practical value of the (art. on), 1852, 49.
Vineland, 1869, 411.
springs, 1870, 95.
straw, 1865, 400.
Suæda Californica, 1876, 54.
sugar, sorghum, 1862, 528; 1865, 48.
beet, 1865, 46; 1870, 99, 299; 1873, 308.
sumac, 1869, 65, 230; 1871, 99; 1872, 141.
Syracuse and Liverpool salt, 1876, 47.
timothy hay, 1861, 287.
tobacco soils, 1858, 290–295.
tuckahoe, 1871, 99.
tufa, 1868, 378; 1869, 560.
turnip, 1865, 416, 418; 1870, 299.
varieties of butter, 1876, 48.
well-water, 1869, 74.
wheat, 1861, 271; 1862, 75, 95; 1864, 103; 1865, 357.
white niter-earth, 1869, 559.
wines, 1864, 534; 1865, 50; 1866, 46; 1869, 66; 1873, 173.
yam, the Chinese, 1857, 165.
Andersonia,
as a house-plant, 1863, 372.
Andes,
vegetation of, 1870, 172.
Animal,
warmth, utilization of, in Italy, 1876, 284.
Animals,
(arts. on), 1856, 1; 1857, 51.
acclimation and domestication of, 1859, 207–217.
classification of, 1863, 265.
cold-blooded, not killed by freezing, 1857, 504.
cutting and cooking food for, 1865, 396–407.
dead, what to do with, 1869, 426.
docility of, 1859, 448.
domestic (arts. on), 1849, 294; 1853, 1; 1854, 1; 1855, 1.
administration of medicines to, 1859, 199–207.
directions for curing diseases in, 1871, 386.
in Europe, 1866, 65.
nutrition and digestion of, 1856, 1–8.
winter food for, 1845, 1009–1012.
etherization of, 1853, 59–61.
fattening, 1844, 383–389.
influence of heat in, 1844, 392–394.
farm, aggregate value of, from 1866 to 1874, 1875, 49.
condition of (arts. on), 1871, 31; 1872, 26; 1873, 30; 1874, 36; 1875, 33.
diseases of, 1872, 31; 1873, 33; 1874, 37; 1875, 33.
distribution of, in proportion to population, 1871, 51.
improvement of, 1870, 287; 1871, 390.
number and prices of, 1869, 46.
number and prices of, in the several States, 1875, 50.
prices of, 1872, 38; 1873, 35.
habits in, 1866, 356.
hereditary power of, 1873, 424.
hints on overcoming bad habits of, 1866, 357.
imports of, under the reciprocity treaty, 1873, 73.
in California, 1862, 592.
influences of climate and food on (art. on), 1855, 1.
Linnæus' experiments in feeding plants to, 1847, 512.
living, exports of, 1872, 57.
values of, exported, 1872, 61.

Animals,
natural gait of, 1866, 227.
number of species of, at present known, 1859, 217.
domesticated, 1859, 217.
of Thibet and India, notes on, 1860, 87.
order of succession of (Agassiz), 1873, 423.
plants eaten by different species of, 1847, 513.
power of endurance of, 1866, 327.
principles of breeding, 1854, 1.
rare, in the garden of acclimation at Paris, 1865, 95.
rations according to weight of, 1869, 627.
relation of weight to food consumed by, 1860, 126.
ruminating, of North America, and their domestication, 1851, 104.
society for the acclimatization of, 1861, 327.
theory of nutrition of, 1847, 215.
training, for work, 1866, 355–357.
value of, imported during the years 1851 to 1858—1858, 221.
weights of different parts of, 1864, 266.
Anime,
tree and resin, 1870, 186.
Anise,
oil, source of, 1870, 179.
analysis of, 1876, 47.
Annotto,
for coloring butter, 1869, 365.
Annual,
American Agricultural, 1869, 499; 1870, 541.
Horticultural, 1869, 499; 1870, 541.
Prairie Farmer, 1870, 543.
Antelope,
the goat, 1867, 218.
prong-horn, 1851, 121; 1867, 218.
Antelopes,
in the garden of acclimation at Paris, 1865, 97.
Ant-lion,
habits of, 1855, 107; 1864, 546.
Ants,
destroying the grass army-worm, 1866, 43.
house, remedies for, 1855, 107; 1864, 547.
injuring fruit-trees, remedy for, 1868, 433.
on the cotton-plant, 1855, 106.
red, 1855, 107.
white, 1864, 546; 1868, 309.
Aphis,
description of, 1855, 69; 1857, 124; 1858, 261.
fecundity of, 1857, 124; 1864, 433, 560.
food of, 1868, 315.
honey-dew formed by, 1855, 106.
injuring the cotton-plant, 1854, 60, 62; 1857, 124; 1864, 89.
grape-vine, 1854, 79; 1872, 504.
insects destructive to, 1854, 63; 1857, 124; 1858, 261; 1862, 377; 1864, 433; 1866, 39.
remedies for, 1854, 79; 1855, 69; 1858, 261; 1864, 89, 560; 1866, 30; 1870, 87; 1871, 88; 1874, 145.
various kinds of (or aphides), 1876, 31, 34, 73.
Aphthæ,
causes of, 1870, 353.
epizoötic, 1870, 352–357.
origin of the recent outbreak of, in America, 1870, 356; 1871, 34.
prevention of the spread of, 1870, 357; 1871, 34.
symptoms of, 1870, 354.
treatment of, 1870, 356.
Apparel,
improvements in wearing, 1845, 30; 1846, 39; 1848, 79.
Apple,
analyses of the, 1849, 481.
(art. on), 1850, 518.
and pear, descriptions of popular varieties of the, 1862, 163–193.
best varieties for growing in New Hampshire, 1876, 413.
cultivation of the, 1850, 205–208.
culture of the (art. on), 1843, 230.

Apple,
hardy varieties of, 1866, 131.
insects injuring, 1868, 104.
nutriment of, compared with the potato, 1850, 523.
pear and grape, popular varieties of the, 1863, 119–130.
the Red Canada Winter, 1876, 403.
Apple-culture,
profits of, in Illinois, 1852, 325.
Maine, 1852, 119; 1867, 336, 1868, 473.
Massachusetts, 1868, 482; 1871, 360.
New Hampshire, 1852, 23.
New York, 1868, 490.
Virginia, 1867, 251.
Apple-Culturist,
review of, 1870, 521.
Apples,
and pears, 1861, 543.
(arts. on), 1853, 259; 1854, 283.
condensed correspondence on, 1853, 262; 1854, 283; 1855, 290.
cultivation of, in the Northern States, 1849, 273–276.
for different seasons, 1850, 90.
feeding to hogs, 1851, 143; 1852, 198, 208.
gardens, 1856, 407; 1858, 428.
general cultivation, 1848, 378; 1854, 229; 1856, 401; 1858, 422.
northern localities, 1856, 407; 1858, 428.
particular localities, 1856, 406; 1858, 427.
the Southern States, 1873, 209.
(art. on), 1869, 184.
interrogatories, 1858, 38.
large size of, in Nebraska, 1871, 377.
new varieties of, 1854, 231; 1856, 404; 1858, 425; 1875, 374.
of New England origin, 1853, 260; 1861, 255.
picking and barreling, 1852, 320; 1854, 289: 1862, 481; 1870, 492.
popular varieties of, described, 1862, 164; 1863, 120; 1864, 141; 1865, 186; 1866, 131; 1867, 129; 1869, 184; 1875, 368.
preservation of, 1862, 481.
in store, 1873, 279.
quantity and value of, exported, 1853, 261.
report on, in Arkansas, 1855, 290.
Connecticut, 1854, 235; 1855, 290; 1858, 389.
Delaware, 1856, 370, 374.
Georgia, 1854, 277, 283; 1858, 377, 392.
Illinois, 1855, 291; 1856, 397; 1858, 395.
Indiana, 1853, 262; 1856, 387, 390, 392.
Iowa, 1856, 399; 1868, 521.
Kentucky, 1853, 262.
Louisiana, 1853, 263.
Maine, 1852, 34; 1853, 263; 1854, 237, 283, 284; 1855, 292; 1856, 329; 1868, 473.
Maryland, 1854, 242.
Massachusetts, 1853, 269; 1856, 332; 1858, 397; 1871, 360.
Michigan, 1853, 270; 1854, 284; 1855, 292; 1856, 377; 1858, 398; 1868, 499; 1872, 481.
Minnesota, 1873, 435.
Mississippi, 1854, 252; 1855, 293.
Missouri, 1853, 270; 1854, 256; 1855, 293; 1871, 372.
Nebraska, 1871, 377.
New Hampshire, 1852, 23; 1853, 270; 1854, 258, 284.
New Jersey, 1854, 285; 1856, 348, 353; 1858, 401.
New York, 1852, 44; 1853, 270, 277; 1854, 286; 1855, 293; 1858, 413; 1868, 492.
Ohio, 1853, 273; 1854, 261; 1858, 416; 1872, 504.
Oregon, 1853, 274; 1854, 290; 1855, 294.
Pennsylvania, 1853, 274; 1854, 267; 1855, 295; 1856, 354, 359; 1858, 418.
Tennessee, 1854, 291.
the District of Columbia, 1858, 386.
South, 1858, 377.
Vermont, 1852, 38; 1854, 280; 1873, 470.
Virginia, 1853, 275; 1854, 291; 1855, 295; 1858, 421.
Wisconsin, 1853, 276; 1854, 291; 1855, 295.

Apples,
shipment of, from Illinois, 1872, 440.
New York, 1854, 289; 1869, 445; 1873, 279.
to Europe, 1869, 507.
varieties of, recently introduced, 1875, 374.
without a core, 1852, 232.
Apple-sauce,
or butter, preservation of, 1862, 482.
Apple speck,
or rot, 1873, 207.
Apple-tree,
analysis of the sweet, 1849, 475.
an astonishing, 1849, 38; 1869, 417.
flowering of the, in Massachusetts, 1855, 394.
large yield of an, 1871, 149, 153.
origin and history of the, 1853, 259; 1859, 344.
stocks for dwarfing the, 1856, 327; 1865, 201.
Apple-trees,
ashes as a manure for, 1854, 117.
budding, 1850, 430; 1853, 266.
first, planted in this country, 1872, 281.
grafting, 1850, 383; 1853, 266.
grafting near the ground, 1850, 328.
killed by gas-tar, 1849, 103.
mulching, 1849, 103; 1853, 276.
neglected, 1869, 417.
Northern, failure of, in the South, 1850, 448.
old, 1850, 478; 1853, 260; 1874, 271.
placing stones around, 1854, 285.
planting, 1849, 274.
experiments in, 1868, 473.
protecting from frost, 1853, 274.
mice, &c., 1853, 277.
pruning, 1853, 266; 1854, 283; 1870, 522; 1876, 393.
scraping, 1870, 522.
selection of, 1873, 405.
shading, in Louisiana, 1853, 263.
to make bear every year, 1845, 310; 1853, 271.
fruitful on sandy soils, 1870, 521.
wash for, 1849, 272.
winter-killing, cause of, 1852, 30, 299.
Appropriations,
for agricultural statistics, &c., from 1839 to 1858, 1857, 25
fiscal year ending June 30, 1876, 1876, 15.
Apricot,
insect injuring, 1868, 105.
origin and distribution of, 1859, 340.
propagation of, 1856, 327; 1865, 204.
stocks for, 1856, 327.
varieties of, 1850, 98; 1864, 151; 1865, 186.
Apricots,
cultivation of, 1850, 98; 1861, 543.
in the Middle States, 1865, 204.
South, 1858, 382; 1867, 146.
for general cultivation, 1856, 403; 1858, 423.
interrogatories on, 1858, 45.
peaches and nectarines, 1853, 282–287.
protection of, from frost, 1855, 300.
reports on, in Delaware, 1856, 369, 371.
Georgia, 1858, 382.
Michigan, 1856, 384.
Mississippi, 1854, 248.
Missouri, 1854, 258.
New York, 1852, 42; 1853, 287; 1854, 302.
New Jersey, 1854, 302; 1856, 350; 1858, 408.
Ohio, 1854, 264.
Pennsylvania, 1855, 300.
Aquaria,
fresh and salt water, 1864, 446–470.

Aquarium,
animals for, 1864, 456, 465.
form of, 1864, 450.
golden carp leaping from, 1864, 452.
plants for, 1864, 453, 465.
the fresh-water, 1864, 446.
salt-water, 1864, 462.
Arboretum,
and department grounds, 1868, 11.
design of, 1867, 26; 1868, 12, 193; 1869, 91.
list and classification of plants of, 1868, 122.
plan of, 1870, 16.
Arbor-vitæ,
cambium of, for Indian food, 1870, 412.
description of the American, 1859, 14.
for evergreen hedge, 1854, 396; 1855, 316; 1868, 196; 1871, 349.
new, from China, 1859, 14; 1860, 32.
pruning, 1855, 317.
Archasia,
galeata, or *Smilia auriculata*, 1876, 30.
Architect,
of the Department building, report of, 1868, 15.
Architecture,
and civil engineering (arts. on), 1843, 287; 1844, 489; 1845, 67; 1846, 93; 1847, 72; 1848, 45.
of different nations, 1859, 402.
Arctia,
the cotton, 1855, 84.
Argentine,
Republic, commerce and productions of, 1876, 272–274.
Arizona,
agricultural capabilities of, 1869, 623.
area of, susceptible of irrigation, 1869, 625.
climate of, 1869, 626.
fences of, 1871, 506.
public lands in, 1868, 460.
statistics of forestry in, 1875, 333.
Arkansas,
agricultural products of, 1851, 495.
as a wine-producing State, 1867, 156.
corn-culture in, 1855, 169.
cotton-culture in, 1849, 170; 1854, 184.
crops of, tabular estimate of. (See Crops.)
remarks on, 1850, 366.
Industrial University, 1871, 306, 332, 334; 1872, 350, 394, 396; 1873, 322, 360, 362, 1874, 313, 350; 1875, 470, 500; 1876, 327.
lands in, public, 1868, 465.
relative value of, 1867, 106, 115.
live stock in, number and value of, 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral fertilizers in, 1869, 558.
sheep and wool in, 1854, 51.
statistics of forestry in, 1875, 288.
stock raising in, 1854, 11, 23.
weights and measures of, 1871, 223.
Arrowhead,
for food for hogs, 1865, 517.
Indians, 1870, 408.
Arrowroot,
cultivation of, 1858, 325.
in Georgia, 1845, 322.
product of, per acre, 1858, 331.
production and manufacture of, in the South, 1858, 324–332.
Arsenic,
absorption of, by plants, 1860, 137.
Arts,
and sciences (art. on), 1843, 248.
fine inventions in, 1843, 321; 1845, 32; 1846, 38; 1847, 46; 1848, 26

Artichoke,
(art. on), 1848, 578.
the common, cultivation of, 1845, 321; 1854, 333.
for the table, 1869, 632.
native locality of, 1859, 358.
Jerusalem, analysis of, 1865, 415.
culture of, 1854, 334.
for cows and other animals, 1843, 107; 1844, 145; 1848, 578; 1867, 336.
Asafœtida,
description of, 1855, XXVIII; 1870, 183.
Asclepias,
as a fiber-plant, 1859, 388; 1863, 109.
for Indian food, 1870, 405.
Ash,
English, 1868, 198, 201.
European mountain, 1868, 202.
prickly, 1854, 405.
species of, 1872, 164; 1875, 168.
weeping, 1868, 202.
white, 1866, 481; 1868, 199.
Ashes,
analysis of, from spent tan-bark, 1871, 99.
(art. on), 1860, 69.
bituminous coal, experiment with, 1869, 296.
coal, as a fertilizer, 1868, 446; 1870, 490; 1871, 358.
for apple-trees, 1854, 117.
composting with muck, 1856, 192.
meadows and pastures, 1852, 146; 1869, 495, 526.
strawberries, 1870, 490.
leached and unleached, 1845, 1048; 1871, 228, 358; 1874, 401.
as a manure, 1852, 19; 1870, 440; 1871, 352; 1875, 514.
mixed with salt, for mules, 1863, 187.
of barley and other plants, composition of, 1860, 56.
coal, analysis of, 1860, 74.
peat, analysis of, 1860, 71.
plants and seeds, analysis of, 1845, 1040.
potatoes, analysis of, 1860, 69.
wheat, composition of, 1860, 53.
on dry and wet soils, 1854, 106.
old soils of New England, 1870, 489.
pot and pearl, manufacture of, 1842, 81.
prices of, 1851, 530.
wood, proportion of potash in, 1875, 513.
Asparagus,
cultivation of, 1854, 334; 1865, 243, 271; 1872, 488.
for New York market, 1861, 373.
in Germany, 1847, 188.
Spain, 1857, 279.
native locality of, 1859, 358.
varieties of, 1854, XXI, 334.
Aspidiotus,
Glovérii, citricola, conchiformis, and others, 1876, 41–43.
Ass,
history of the, 1863, 184.
hybridizing the, with the quagga and zebra, 1863, 181.
wild ass of Tartary, 1865, 97.
influence of the, on the mule progeny, 1863, 180.
future offspring of the mare and horse, 1863, 180.
Maltese breed of, 1863, 184.
the wild, of Tartary, 1865, 97.
Asses,
and mules, interrogatories on, 1858, 81.
condensed correspondence on, 1853, 28; 1854, 22; 1855, 38.
horses, and mules (arts. on), 1853, 25; 1854, 22; 1855, 31.
introduction of, by Washington, 1853, 27.
number of, in the United States, 1863, 189.
of Sicily, 1859, 123.
Association,
farmers' protective, 1872, 446.

Association,
Mississippi Planters, Manufacturers, and Mechanics', 1875, 453.
Missouri and Kansas Wool-Growers and Sheep-Breeders', 1875, 453.
New York State Dairymen's and Board of Trade, 1875, 458.
of mill producers, 1869, 449.
producers, 1872, 446.
Ohio State Wool-Growers', 1875, 460.
Vermont Dairymen's, 1875, 466.
Aster,
the Cape, for window-culture, 1863, 377.
hybridization of, 1863, 377.
the China, insect-eating, 1868, 105, 107.
Atavism,
or ancestral influence, 1862, 234.
Atmosphere,
composition of, 1849, 38; 1857, 471.
constitution of the compound, 1858, 463.
effects of vapor on, 1858, 469.
equilibrium of, 1857, 466; 1858, 466.
motions of, 1856, 468.
purity of, in large cities, 1871, 430.
saline and mineral matters in, 1857, 474.
temperature of the inferior strata of, 1869, 125.
vapor of, 1858, 430.
Augers,
superiority of, made in the United States, 1843, 255.
with sliding cutters, 1842, 95.
Aulacizus,
mollipes, 1876, 32.
Auricula,
for window-culture, 1863, 376.
Aurochs,
description of, 1865, 95.
Australia,
climate and rain-fall of, 1874, 440.
crown lands of, 1864, 205.
grapes from, 1868, 118.
native grasses of, 1874, 439.
pasturage of, 1864, 208, 219.
wool-growing in, 1874, 438.
wool-growing in, (art. on), 1864, 204.
statisticts of, 1864, 222.
Austria,
statistics of animals, population, etc., 1876, 255–267, 269.
Averages,
table of, showing the average time of seeding, etc., 1848, 646.
Azalea,
a superb, 1863, 373.
for house culture, 1863, 373.
Bacaba,
oil, source and uses of, 1870, 179.
Bacon,
and hams, curing, 1845, 1163; 1850, 267, 273, 446; 1851, 331.
imported and exported, 1858, 224; 1876, 239.
insect feeding on, 1868, 105.
movements of, 1847, 653.
Baden,
statistics of animals, population, etc., 1876, 255–267, 269.
Badger,
American, description of, 1851, 460; 1858, 250.
Bagging,
demand for, 1876, 292.
manufacture of, 1874, 299.
Balm,
cultivation of, 1854, 335.
for bee-pasture, 1868, 281.
Balsam,
Bayee, 1870, 188.
Jarilla, 1870, 190.
of Copaiba, 1870, 190.

Balsam,
of Gilead, 1855, lvii.
Maria, 1870, 188.
Peru, 1870, 185.
Tolu, 1870, 185.
Umire, 1870, 188.
Baltimore,
annual receipt of hogs at, 1876, 236.
flour and grain trade of, 1876, 185–206.
market for live stock, etc., 1876, 213, 252.
prices of farm products at, 1876, 246.
Bamboo,
cultivation of, 1860, 475.
Bamya,
description and uses of, 1859, 21.
Banana,
as a fiber plant, 1869, 266.
cultivation of, in Florida, 1867, 145; 1871, 170; 1874, 446.
Louisiana, 1855, 314.
culture, 1870, 442.
native locality of, 1859, 330.
trade, the, 1872, 441.
Baobab,
bark, as a fiber, 1870, 619.
Barberry,
for Indian food, 1870, 413.
Barberry-bush,
for hedging, 1869, 421.
Barilla,
cultivation of, 1859, 112.
Barley,
acreage and product of, in Ohio, 1873, 60.
the several States, 1876, 91.
analysis of, 1864, 277; 1865, 356, 401, 426.
and its uses, 1865, 355–367.
wheat, manures on, 1872, 454.
(arts. on), 1853, 156; 1855, 200.
as a therapeutic agent, 1865, 362.
food for horses and other animals, 1855, 200; 1865, 362, 426.
man, 1857, 155; 1864, 277; 1865, 361; 1873, 370.
ashes, composition of, 1860, 56.
condensed correspondence on, 1853, 157; 1854, 150; 1855, 201.
cost of raising in Massachusetts, 1867, 341.
crops of, in the several States. (See Crops)
remarks on, 1841, 70; 1842, 15; 1843, 41; 1844, 46; 1845, 151; 1847, 119; 1848, 127; 1849, 86; 1850, 195; 1851, 130; 1852, 59; 1853, 157; 1854, 150; 1855, 201; 1867, 78; 1875, 20.
culture of, in California, 1862, 591.
Iowa, 1868, 519; 1869, 542.
Maine, 1862, 51.
experiments with, 1869, 255; 1871, 138; 1872, 410.
at Rothamsted, 1873, 297; 1875, 503.
exports of, 1875, 60; 1876, 174–176.
for fodder in Italy, 1859, 129.
habits and cultivation of, 1865, 359.
history of, 1853, 156; 1859, 302; 1865, 355.
in Japan, 1873, 370.
insect feeding on, 1868, 105.
interrogatories on, 1858, 24.
malting, 1865, 363.
prices of, in years, 1866–1873, 1873, 46.
shipment and prices of, in Chicago, 1863, 616, 618; 1865, 357.
receipts of, in years, 1872–1874, 1874, 88.
time of sowing, &c., in the several States, 1848, 648.
varieties of, 1844, 49; 1845, 153; 1847, 120; 1854, xiii; 1859, 19; 1865, 28; 1869, 255; 1871, 138; 1872, 410.
yield of, per acre, in New England, 1861, 254.
Barn,
description of David Lyman's, 1867, 285.
the Cornell University, 1873, 346.

Barn,
description of the Maine State College, 1874, 328.
drawings of, 1864, 290; 1867, 283.
general principles of, 1864, 289; 1867, 284.
the Pennsylvania, 1864, 289–298.
ventilation of, 1864, 298; 1867, 291; 1874, 328.
Barns,
construction of, 1867, 241; 1868, 478.
location of, 1863, 335; 1864, 291.
Barrels,
and casks, making, 1843, 302.
Barytes,
sulphate of, as a fertilizer, 1859, 163.
Basil,
culture of, 1854, 335.
Basin,
Great Salt Lake, 1870, 559–569.
Sevier River, 1870, 565.
Bats,
guano, 1876, 49, 51.
habits of, 1863, 266.
Baths,
shower, 1848, 25.
Bavaria,
statistics of population, production, and animals, 1876, 255-269.
Bayee,
balsam, 1870, 188.
Bay,
oil, 1870, 178.
Bayonet,
Spanish, for hedge, 1854, 403.
Indian food, 1870, 418.
Bdellium,
African, 1870, 188.
of Dioscorides, 1870, 188.
Bean,
castor, analyses of, 1874, 152.
in California, 1869, 450.
Texas, 1867, 425; 1870, 451.
oil from, 1841, 80; 1842, 41; 1845, 316.
history of, 1853, 221; 1859, 317.
increased yield of, 1876, 391.
insect feeding on, 1868, 105.
Maggothy Bay, for manure, 1870, 273.
screw, for Indian food, 1870, 412.
wild kidney, for Indian food, 1870, 422.
Beans,
analysis of, 1849, 487; 1850, 49; 1864, 278; 1865, 400, 401, 419, 428.
and pease (art. on), 1853, 221.
correspondence on, 1851, 142, 144, 145, 218, 319, 330, 381, 479; 1852, 121, 127, 130, 149, 196, 201, 336; 1853, 221.
culture of, in Massachusetts, 1868, 481.
experiments with, 1871, 139.
for green manuring, 1864, 312.
how to dwarf, 1863, 358.
injured by intermixture, 1863, 357; 1867, 314.
in San Bernardino County, 1861, 161.
preservation of, 1862, 482.
statistics of, 1853, 222.
turtle soup, 1855, 287.
varieties of, 1854, xiv, 336; 1865, 29; 1871, 139.
Bear,
American black, 1858, 251.
grizzly, 1858, 254.
white, 1858, 254.
Bear-berry,
for Indian food, 1870, 413.
Bears,
depredations of, 1863, 268.
Bee,
adaptation of, to climate, 1843, 313; 1853, 75.

Bee,
introduction of the honey, into Australia, 1869, 630.
length of life of the honey, 1861, 324.
nature and habits of the honey, 1857, 107.
rearing a queen, 1860, 285; 1863, 538.
the Italian honey, 1863, 530–546.
breeding, 1863, 537.
description of, 1859, 543; 1860, 274; 1863, 535; 1866, 32.
honey yield of, 1865, 470.
introduction of, 1859, 543; 1861, 324; 1863, 530; 1865, 470; 1866, 32.
Bee-culture,
Annals of, 1870, 540; 1872, 402.
(art. on), 1860, 268.
favorable conditions for, 1860, 275.
in Russia (art. on), 1855, 120.
profits of, 1863, 544.
progressive, 1872, 401.
statistics of, 1860, 280.
Bee-hive,
temperature of, in winter, 1860, 90.
the American, 1867, 211.
carpet, 1869, 332.
Dzierzon, 1860, 291; 1865, 459.
Langstroth, 1865, 459; 1868, 274.
Bee-hives,
different kinds of, 1860, 291; 1868, 274; 1869, 332.
improvements in, 1844, 510; 1865, 459; 1869, 331.
position and aspect of, 1860, 297.
size and shape of, 1865, 461.
Bee-keeping,
adaptation of, to women, 1865, 475.
(art. on), 1865, 458.
in Poland, Germany, &c., 1857, 108.
new mode of taking honey, 1860, 89.
profits of, 1873, 475.
statistics of (art. on), 1868, 272–281.
winter, 1867, 209–211.
Bee-moth,
remedies for, 1845, 395; 1846, 19; 1864, 555; 1865, 469; 1869, 331,
lantern, trap for, 1846, 19.
Bee-pasturage,
necessity for, 1868, 280; 1871, 401.
Bees,
(arts. on), 1845, 394; 1853, 74.
artificial swarming, 1845, 394; 1860, 289; 1865, 463; 1871, 388.
attacked by foul brood, 1868, 277.
cause of loss of, in Iowa, 1872, 479.
classes of, 1857, 108; 1860, 272; 1863, 531, 535.
correspondence on, 1853, 75; 1854, 90; 1855, 121.
different species of, 1866, 32.
diseases of, 1860, 284; 1868, 278.
enemies of, 1860, 282.
exportation of, to California, 1861, 325.
feeding, 1860, 297; 1865, 463; 1867, 211; 1871, 389.
history of, 1853, 74.
impregnation of, 1860, 270; 1863, 541.
improvement in the treatment of, 1860, 89.
insects injuring, 1868, 106.
in Sicily, 1859, 123.
interrogataries on, 1858.
Italian, 1859, 543; 1861, 324.
Italianizing, 1863, 538.
mathematical problem solved by, 1857, 110.
plant destructive to, 1872, 451.
plants fertilized by, 1870, 541.
profits of, 1845, 350
remedies for robber, 1845, 395; 1860, 283.
secretion of wax by, 1866, 33.
stupefying by chloroform, 1860, 89.
subduing, 1865, 474.

Bees,
transfer of, 1860, 299.
Virgil's and Pliny's receipt for making, 1863, 565.
wax and honey (art. on), 1855, 120.
wintering, 1865, 462; 1868, 275; 1871, 401.
Beech,
American red, 1854, 406.
European, 1854, 405; 1868, 201, 202.
insects injuring, 1868, 105.
red and white, 1866, 481.
Beef,
and beef cattle of the West, (art. on), 1862, 326.
pork, salting, 1845, 1158.
cattle, full feeding and early maturity of, 1876, 306.
the profit of early maturity in, 1876, 309.
cutting up, with illustration, 1844, 418.
experiments in feeding for, 1874, 248.
exports of, 1853, 4; 1858, 221; 1872, 62; 1875, 423.
exports of fresh, 1876, 312-320.
extracts, nutritive value of, 1870, 106.
fresh, preparation for market, 1865, 491.
shipments of, to Europe, 1876, 320.
jerked, 1862, 482; 1865, 493.
markets for, 1876, 211, 225, 242, 250.
preparing for the English market, 1844, 430.
preservation of, 1862, 482.
production in New York, the true system, 1876, 306.
short horns for, 1875, 419.
the age of cattle for, 1876, 371.
cost of, at two years old, 1876, 310.
Beer,
adulterations of, 1865, 367.
analysis of, 1865, 365.
from malt, 1865, 365.
Beet,
and cane for sugar, 1866, 49; 1872, 158.
leaves for fodder, 1870, 611; 1872, 451.
native locality of the, 1859, 327.
sugar, production of, 1876, 153, 157.
when grown in New Mexico, 1852, 351.
Beets,
experiments with, 1871, 139; 1874, 147.
for the early market, 1865, 244.
in poor soil, best fertilizers for, 1876, 56.
large, 1851, 4; 1869, 605, 622.
mineral nutrition for, 1876, 55.
sugar, analysis of, 1865, 46, 417; 1866, 50; 1867, 42, 53; 1870, 99; 1873, 308, 437; 1875, 512.
cultivation of, 1863, 99; 1867, 34; 1868, 169; 1869, 334, 336, 349; 1870, 210; 1873, 437.
drying, 1867, 10.
effects of soil and manure on, 1875, 512.
manures for, 1869, 336; 1872, 457; 1873, 307.
percentage of sugar in, 1867, 35; 1868, 168; 1869, 348; 1870, 99.
removing leaves from, 1869, 337.
seed, selection of, 1869, 351.
soil for, 1869, 337, 350; 1871, 358; 1872, 157.
varieties of, 1867, 39; 1869, 345.
yield of, per acre, 1850, 160; 1867, 10; 1869, 346, 349.
varieties of, 1854, xix, 338.
Beetle,
American carrion, habits of, 1861, 595.
apple-bark, habits and remedies for, 1860, 320.
asparagus, recent introduction of, 1872, 448.
remedies for, 1863, 578.
bacon, habits and remedies for, 1863, 569.
big-eyed snapping, habits of, 1860, 321; 1861, 603; 1868, 93.
black wood-boring, 1861, 599.
blistering, injuring potatoes, 1869, 541.
bombadier, habits of, 1868, 79.

Beetle,
burying, habits of, 1861, 594; 1868, 81.
cadelle, habits of, 1868, 83; 1870, 66.
cetonia, habits and remedies for, 1863, 568.
cucumber, habits and remedies for, 1855, 90; 1863, 577; 1870, 74; 1871, 77.
death-watch, habits of, 1868, 99.
dung-rolling, habits of, 1861, 600; 1868, 86.
elm-tree, habits and remedies for, 1863, 578; 1867, 62; 1870, 73.
fig-eating, habits of, 1868, 90.
Goldsmith's, description and habits of, 1861, 601; 1868, 89.
grape-vine, habits and remedies for, 1861, 602; 1863, 578; 1870, 74.
leaf, injuring the cotton-plant, 1854, 60; 1855, 90.
remedy for, 1854, 60.
May, European, 1865, 89.
habits and remedies for, 1861, 601; 1863, 567, 569; 1868, 87; 1870, 524.
narrow-necked oil, habits of, 1868, 102.
pear, habits and remedy for, 1860, 314.
pine, habits of, 1861, 620; 1868, 87.
potato or spearman, habits of, 1863, 578; 1864, 541; 1867, 63; 1871, 74; 1874, 122.
remedies for, 1863, 579; 1867, 64; 1869, 536; 1871, 69, 75; 1872, 120; 1873, 154; 1874, 123.
travels of, 1870, 75; 1872, 120; 1873, 153; 1874, 122.
the true and false, 1870, 75; 1874, 122.
three-lined, habits and remedy for, 1863, 576.
rose, habits and remedies for, 1863, 567; 1868, 87.
sacred, of the Egyptians, 1868, 86.
ship-timber, habits and remedies for, 1868, 98.
skin, habits and remedies for, 1861, 595; 1863, 569; 1869, 84, 85.
snout, habits and remedies for, 1861, 604.
spotted squash, habits and remedies for, 1863, 579.
tickling, description and habits of, 1861, 613.
tiger, Carolina, habits of, 1854, 87; 1855, 109.
destroying the larvæ of potato-beetle, 1870, 65.
water, Mexican, for food, 1866, 38.
Beetles,
description of families of, 1861, 588; 1863, 274; 1868, 78, 307.
directions and apparatus for collecting, 1868, 306.
food and habits of, 1868, 78–117.
observations on recent, 1870, 65.
bark, habits and remedies for, 1863, 574.
burying, habits of, 1868, 81, 307.
capricorn, habits of, 1861, 609.
remedies for, 1861, 619.
carrion, habits of, 1861, 594; 1863, 569; 1868, 81.
cerambycan, description and habits of, 1861, 613.
click, habits of, 1861, 606.
flea, habits of, 1868, 308.
ground, description and habits of, 1861, 591; 1863, 565; 1868, 79, 307.
lamellicorne, habits of, 1861, 597; 1863, 566; 1868, 307.
leaf, habits and remedies for, 1863, 576.
lepturian, habits of, 1861, 619.
longicorn, habits of, 1861, 609; 1863, 575; 1865, 89; 1868, 308.
remedies for, 1863, 575.
mimic, habits of, 1868, 83.
prionian, habits of, 1861, 610.
remedies for, 1861, 612.
rove, habits of, 1861, 596; 1863, 569; 1865, 88; 1868, 82, 307; 1870, 66.
snout, habits of, 1861, 603; 1863, 570; 1868, 308.
spring, habits of, 1861, 606, 608; 1868, 93, 307.
stag, habits of, 1868, 85.
tiger, habits of, 1854, 62; 1861, 589; 1863, 565; 1865, 91; 1866, 39; 1868, 78, 307; 1870, 65.
water, habits of, 1861, 593; 1863, 569; 1866, 39; 1868, 80.
whirligig, habits of, 1868, 80, 307.
Belgium,
statistics of population, productions, and farm animals, 1876, 255–267, 269.
Belt,
of no frost, or thermal belt, 1861, 146; 1868, 120.
the southern forest, 1875, 262.

Belts,
or marginal plantations, 1869, 170.
shelter, best trees for, 1869, 199; 1870, 505.
to protect orchards, 1870, 523.
Bene-plant,
correspondence on, 1854, 225; 1855, 287.
cultivation of, 1854, 226, 339; 1855, 287.
directions for using, 1845, 970.
for the summer complaint, 1845, 970; 1854, 226, 339; 1870, 173.
history of, 1845, 317, 970; 1854, 339.
oil of, 1845, 317, 970, 971; 1854, 226, 339; 1870, 173.
Ben-oil,
for watches and perfumery, 1870, 175.
Benzine,
remedy for insects and rats, 1861, 332.
Benzoin,
source and uses of, 1870, 181.
Berberry,
description of, 1860, 32.
for hedges, 1854, 407; 1857, 240; 1868, 197, 202.
supposed cause of mildew, 1854, 407.
Bergamot-oil,
source and uses of, 1870, 181.
Berries,
cultivation of, in New Jersey, 1874, 271.
used for food by the Indians, 1870, 413.
Betel-nut,
source and uses of, 1870, 197.
Bignonia,
golden, 1868, 203.
Binders,
grain, improvements in, 1871, 217.
Bins,
grain, construction of, 1869, 329.
Birch,
black and yellow, for ship-timber, 1866, 481.
insect frequenting, 1868, 106.
species of, in the United States, 1875, 176.
West India, for live fence, 1854, 407.
White European, for hedges, 1854, 407.
with variegated foliage, 1868, 201.
Birch-wax,
source of, 1870, 205.
Birds,
and bird laws, 1864, 431–446.
digest of, 1864, 442.
beneficial to agriculture, 1863, 276.
classification and habits of, 1863, 277, 289; 1864, 387; 1865, 36.
climbing, 1863, 279, 290; 1864, 396; 1865, 37.
perching, 1863, 280, 293; 1864, 399; 1865, 38.
rapacious, 1863, 278, 290; 1864, 387; 1865, 36.
scratching, 1863, 284; 1865, 44.
screaming, 1863, 281.
singing, 1863, 282.
swimming, 1865, 44.
wading, 1863, 285.
evils of shooting, 1863, 276.
false charges against, refuted, 1864, 437; 1865, 39, 43; 1867, 201.
first appearance of, in spring, 1854, 437; 1864, 351.
food of European, 1860, 89.
for acclimation in the United States, 1859, 213.
game, of the United States, 1864, 356–385.
wanton destruction of, 1864, 383.
importance of protecting, 1863, 276, 288; 1864, 441; 1870, 90; 1873, 476; 1874, 20.
importation and protection of useful, 1853, 71–74.
injurious to agriculture, 1853, 71; 1863, 276.
insect and grain-eating, 1860, 89.
insectivorous, of Chester County, Pennsylvania (art. on), 1863, 287.
interrogatories on wild, 1858, 87.
land, 1863, 276, 290; 1864, 386; 1865, 36.

Birds,
laws for protection of, 1863, 289; 1864, 442.
of New England, 1864, 386–430.
New Hampshire, benefit of, to the farmer, 1871, 384.
Vermont, in relation to agriculture, 1873, 476.
synopsis of, in the department museum, 1865, 36.
to prevent from plundering fruit, 1874, 280.
uses of, 1864, 431.
utility of, as insect destroyers, 1863, 286, 288; 1864, 354, 436; 1873, 476.
value of, on the farm, 1867, 201–208.
Biscuit,
ship, insects destroying, 1868, 106.
Bishop,
William D., Commissioner of Patents, report of, 1859, iii.
Bison,
history of the American, 1851, 124–128.
European, 1865, 95.
Bitter-sweet,
climbing, 1868, 204.
Blackberries,
abundance of, in Georgia, 1870, 442.
correspondence on, 1853, 321; 1855, 313.
cultivation of, in District of Columbia, 1858, 388.
Indiana, 1871, 232.
Michigan, 1856, 385.
New Jersey, 1856, 342; 1858, 413; 1865, 284; 1871, 398.
Pennsylvania, 1861, 542.
for general cultivation, 1856, 404; 1858, 425.
interrogatories on, 1858, 54.
preservation of, 1862, 483.
Blackberry,
bramble, 1865, 511.
insect injuring, 1868, 106.
the common, for Indian food, 1870, 415.
Dorchester, 1871, 398.
high, for hedges, 1854, 407.
bush, 1856, 385.
Kittatinny, 1871, 232, 398; 1873, 390.
Lawton, 1871, 232.
New Rochelle, 1853, 321; 1855, 313; 1856, 342, 385; 1865, 284; 1871, 398.
Sand extermination of, 1865, 511.
Snyder, 1873, 390.
Wilson, 1871, 232, 398.
Blackbird,
habits and food of the cow, 1863, 304; 1864, 426; 1865, 42.
crow, 1856, 131, 133; 1863, 304; 1864, 428; 1865, 43.
red-winged, 1864, 426; 1865, 42.
rusty, 1863, 304; 1864, 428; 1865, 43.
skunk, 1864, 425.
swamp, 1864, 426; 1865, 42.
Blackbirds,
habits and food of, 1863, 284, 286, 290; 1864, 425; 1865, 42.
Black-knot,
appearance of, magnified, 1873, 198; 1874, 173; 1875, 206.
identity of, on plum and cherry trees, 1872, 178.
microscopic investigations of, 1873, 196; 1874, 173; 1875, 206.
on plum and cherry trees, 1865, 206; 1874, 173.
(art. on), 1872, 175.
remedy for, 1863, 572; 1865, 206; 1872, 177; 1873, 200.
supposed causes of, 1853, 290; 1863, 572; 1865, 206; 1872, 175; 1873, 196; 1875, 206.
Black-leg,
prevalence of, 1867, 97; 1869, 38; 1870, 42; 1872, 35.
Black-tooth,
nature and treatment of, 1871, 387.
Blocks,
ship, improvement in, 1844, 487.
Blood,
as a manure, 1843, 126.
Blue-berry,
for Indian food, 1870, 415.

Blue-bird,
habits and food of, 1863, 295; 1864, 405; 1865, 39.
reappearance of, in Massachusetts, 1864, 352.
Blue-grass,
value of, pasture, 1876, 373.
Boats,
and vessels, improvements in propelling, 1844, 487.
Bobolink,
different names of, 1856, 127; 1865, 42.
habits and food of, 1856, 127; 1863, 303; 1864, 425; 1865, 42.
Boilers,
and generators, steam improvement in, 1843, 275.
Bone,
analysis of, 1859, 174.
analysis of Clark's ammoniated, 1872, 142.
as a manure for wheat and other grains, 1843, 39.
composition of, 1852, 392.
and value of, as a manure, 1865, 379.
dust and superphosphate of lime, 1868, 503.
as a manure for rye and grass, 1868, 487.
earth, and how to prepare it, 1856, 227.
experiments on wheat with ground, 1873, 304.
failure of dust on cold clay lands, 1874, 262.
fertilizing effect on turnips, 1852, 393.
elements of, 1874, 433.
how to prepare, for manure, 1852, 407; 1869, 634.
utilize phosphates of, 1868, 400.
manufacture of bone-meal, 1870, 439.
superphosphate from, 1871, 356.
mills established in England by coöperation, 1872, 435.
for grinding, 1844, 385.
mode of reducing, to paste, by sulphuric acid, 1856, 189.
powder, 1865, 385.
phosphates of South Carolina, 1868, 398.
preparation and action of bone-dust, 1871, 423.
for agricultural purposes, 1860, 124.
principal fertilizing element of, 1859, 173.
recipe for a mixture, ground with ashes, for corn, 1873, 306.
shipment of buffalo bones from Kansas, 1875, 509.
uses of, 1845, 1026.
Bone-black,
as a manure, 1875, 514.
for refining sugar, 1865, 384.
Book,
handbook of sulphur cure, 1869, 512.
Books,
improvement in manufacture of, 1844, 517.
insects destructive to, 1868, 106.
list of American, on agriculture and rural economy, 1868, 597.
on evergreens, 1868, 579.
review of recent agricultural (arts.), 1868, 555; 1870, 517; 1871, 410; 1872, 398; 1873, 311; 1874, 437.
the new American farm, 1869, 495.
Boots,
imports and exports of boots and shoes from 1851 to 1858, 1858, 222.
Borage,
cultivation and uses of, 1854, 340.
description and use of, for green manuring, 1864, 308.
Borecole,
cultivation and varieties of, 1854, 340.
Borer,
apple-tree, description of and remedy for, 1854, 276; 1860, 317; 1861, 617; 1863, 575; 1865, 205; 1870, 67.
apple-twig, 1860, 321; 1868, 99; 1872, 117.
cherry-tree, 1863, 566.
corn or bill bug, description and remedies for, 1854, 67.
elder, 1861, 619.
European ship-timber, 1868, 98.
grape-vine, 1854, 80; 1857, 122; 1867, 72.
hickory-bark, 1870, 68.
hickory-tree, 1861, 614.

Borer,
locust-tree, 1861, 616; 1863, 575; 1870, 73.
mulberry-tree, 1861, 614.
peach-tree, 1854, 83; 1870, 87, 520; 1871, 396.
pear-tree, 1864, 550.
pine-tree, 1861, 607.
raspberry, description and habits of, 1861, 619; 1870, 67.
ravages of the vine, in North Carolina, 1873, 159.
remedies for, in vine, squash and currant, 1864, 551.
the legged, maple and raspberry root, 1874, 442.
wood, 1873, 152.
Boston,
flour and grain trade of, 1876, 181, 206.
prices of products in, 1876, 242.
receipt of hogs at, 1876, 233.
Bot,
in cattle, horses, sheep, and remedies for, 1872, 129, 130.
Botanical,
Division, 1876, 13.
Botanist,
American, and Florist, 1871, 410.
Parry, C. C., report of, 1869, 91; 1870, 108.
Vasey, George, explorations of, 1872, 159; 1874, 156; 1875, 151.
report of, 1876, 73.
Botany,
agricultural, of Rocky Mountains, 1866, 125–131.
field, forest, and garden, 1868, 577.
medical, of Southern States, 1869, 490.
Boquets,
of violets, number sold annually in Paris, 1873, 289.
Box,
the evergreen, history and adaptation to hedges, 1854, 397.
uses and description of tree, 1855, xlviii.
Boys,
advice to farmers', 1867, 246.
how to make them love farming, 1867, 242.
importance of educating farmer, 1863, 307.
Braid,
manufacture of worsted, in New England, 1864, 509.
Brake,
Scotch name of, 1865, 519.
use of root for food by Indians, 1870, 408.
Bramble,
use of European, for hedges, 1854, 407.
Bran,
insect feeding on, 1868, 106.
Brand,
injurious effects of, 1865, 519.
Brazil,
our trade with, 1876, 271, 272.
Brazil-nut,
1867, 147; 1870, 179.
Bread,
art of making brown, 1860, 130.
Boston brown, recipe, 1855, 163.
comparative value of yellow and white corn-meal for, 1861, 276.
crops, 1856, 246; 1857, 153.
directions for making, 1867, 337.
insects feeding on, 1868, 106.
St. John's, 1859, 19.
Breadstuffs,
exports of, 1872, 58, 68; 1873, 85, 87, 88.
from New York, 1849, 532.
imports and exports of, 1858, 215, 225.
in Great Britain, 1849, 497.
injury by shipment, 1849, 52.
kiln-drying of, 1849, 53.
prices of, at New York, 1868, 58.
reports on, 1845, 245; 1849, 49–51.

Breadstuffs,
value of exports from 1826 to 1874, 1874, 74.
and provisions exported, from 1821 to 1851, 1851, 512.
from 1848 to 1852, 1853, 426.
from United States, 1850, 532.
Breeding,
article on principles of, 1854, 1.
effect of first sire on subsequent offspring, 1862, 232.
hereditary diseases in, 1862, 228.
"in-and-in," 1863, 166; 1864, 190; 1867, 356.
law of variation in, 1863, 228.
laws, rules, and systems of, 1854, 2, 3, 4.
on the physiology of, 1862, 222.
principles to be adopted in, 1871, 361.
sheep, 1862, 294.
to grease, 1866, 344.
Bridge,
improvement of, 1844, 500.
material and construction, 1868, 366.
Brier,
green, or rough bindweed, 1865, 517.
sweet, as a hedge plant, 1854, 417.
the foreign sweet, 1865, 511.
Bristle,
imported and exported, 1858, 225.
Broccoli,
article on the culture of, 1845, 972.
varieties of, 1854, xx.
and cultivation of, 1854, 340.
Bromilia,
origin and uses of, 1863, 109.
Broom,
manufacture and cost of, 1842, 80.
origin and uses of French, 1854, xxxv.
Broom-corn,
chemical analysis of, 1849, 473.
cultivation of, in various States, 1854, 223; 1868, 527.
and product of, 1842, 35, 77; 1845, 190; 1849, 462; 1850, 434.
Culturists and Makers' Manual, 1873, 320.
interrogations on, 1858, 74.
origin and culture of, in United States, 1847, 134.
Brussels sprouts,
cultivation and use of, 1854, 341.
new variety, 1854, xx.
Buck-thorn,
beauty of, for hedges, 1868, 196.
berries of, for Indian food, 1870, 414.
for hedges for all climates, 1854, 408, 409.
use of, for hedges, 1868, 245.
Buckwheat,
analysis of, 1849, 474.
stems and leaves of, 1865, 419.
as food for man, 1860, 130.
average crop in New England, 1861, 254.
culture of, 1853, 164; 1855, 204; 1868, 475.
feeding bran of, for milk, 1874, 264.
guano manure for, 1854, 113.
in New York and Ohio, 1844, 57; 1854, 153.
interrogatories on, 1858, 28.
origin of, 1853, 164; 1859, 307.
remarks on crops of, in different States, 1841, 71; 1842, 16; 1843, 51; 1844, 57; 1845, 163; 1847, 125; 1848, 130.
silver hulled variety of, 1873, 235.
skin variety of, 1866, 10.
tabular estimate of crops of, of different States. (See Crops.)
time of sowing, and quantity per acre, 1848, 652.
use of, for green manuring, 1864, 311.
value of, for fattening, 1865, 427.
Bud,
to convert leaf into flower, and conversely, 1859, 363.

Budding,
article on, 1856, 315.
and grafting, 1857, 252; 1865, 200.
time and manner, 1851, 425; 1856, 324, 325, 326.
Buffalo,
domestication of, 1851, 459; 1860, 18.
grass, 1870, 222.
hybridization with common cow, 1851, 127; 1860, 20.
introduction of Asiatic, and other animals, 1853, 20.
or bison, history and habits of, 1851, 124.
the true, 1865, 95.
Buffalo-berry,
for Indian food, 1870, 415.
Bug,
Alabama and Colorado potato, 1870, 75.
ailanthus blossoms destructive to rose, 1865, 89.
American and European firefly, 1868, 95.
black potato, in Missouri, 1872, 120.
bone-dust remedy for cucumber, 1868, 564.
description and habits of croton, 1874, 132,
destruction of chinch, by wet weather, 1862, 81; 1869, 537.
directions for collecting different kinds, 1868, 315.
family of the bed, 1868, 316.
harlequin cabbage, 1870, 90; 1871, 84.
importance of being acquainted with, 1868, 305.
injuries by chinch, 1873, 391; 1874, 122, 127.
insect destroyer of larvæ of the potato, 1868, 80.
new potato, in Minnesota, 1873, 154.
novel mode of destroying chinch, 1874, 278.
the black lady, 1858, 261.
green plant and spotted plant, 1855, 93.
horn, 1860, 320.
May, or May beetle, 1861, 601; 1865, 89; 1868, 87.
pea, habits and remedies, 1871, 375; 1872, 123.
potato, 1866, 27, 30; 1867, 63; 1868, 433, 501; 1870, 75; 1871, 75, 237.
red, or cotton-stainer, 1855, 103; 1858, 272.
rose, or cherry, 1861, 602; 1866, 29; 1867, 71; 1868, 87; 1870, 524; 1872, 122.
remedies for the bill, or corn-borer, 1854, 67.
chinch, and squash, 1870, 89, 514; 1871, 69.
croton, squash, plant, chinch, and bed, 1864, 558; 1869, 537; 1870, 77.
pea, 1849, 341.
sorghum destroyed by the chinch, 1872, 121.
the snapping, 1868, 93.
wheel, a destroyer of other insects, 1866, 43.
where to find lightning, in the daytime, 1868, 307.
Bugloss,
vipers, a vile weed, 1865, 515.
Buildings,
arrangements of stables, etc., 1869, 165.
Department, and grounds, with drawings, 1868, 191.
directions for choosing location for, 1869, 162.
how to select site for, 1869, 163.
model farm, 1867, 239, 283–291.
warming with heated air, 1848, 28.
Bulbs,
and tubers, tender and hardy, 1873, 311.
directions for cultivating, 1873, 312.
Bull,
the kind of, and keeping, for breeding, 1866, 308, 309, 314, 316.
Loyal Duke of Oakland, engraving of, 1867, 212.
points and profits of, a good, 1876, 372.
Bunting,
of the bay-winged, habits and nest of, 1864, 421.
cow, laying in other nests, 1863, 304; 1864, 426.
rice, its names and habits, 1856, 127.
snow, its foods and habits, 1863, 301; 1865, 42.
towhee, 1863, 303; 1864, 425.
Bunya-bunya,
origin, description, and uses of, 1855, lx.

Buprestis,
description and remedies for the apple, 1860, 318.
Burbot,
large size and use of, for food, 1870, 387.
Burdock,
notice of, as an unsightly weed, 1865, 514.
Bureau,
article on the importance of United States Agricultural, 1851, 653.
Burke, Edmund,
circular of, to the agriculturists, 1848, 339.
Commissioner of Patents, report of, 1845, 1; 1846, 1; 1847, 3; 1848, 3.
Burnet,
cultivation of, in the Southern States, 1860, 230.
and uses of, 1854, 341.
Bur,
clot, thorny clot, cockle, 1865, 513.
Bushel,
number of pounds in, in different States, 1871, 227.
Butter,
analyses of varieties of, 1876, 48.
chemical properties of, 1849, 368, 370; 1874, 254.
theories of, in milk, 1876, 60.
excellence and flavor of, 1849, 373; 1867, 291.
factories, 1865, 448; 1867, 237; 1869, 360; 1871, 178; 1873, 418, 419.
feeding for the production of, and cheese, 1876, 365.
how to restore bad, 1844, 148; 1861, 328.
imports and exports, 1858, 221; 1874, 239.
making, processes of, 1843, 113; 1845, 983, 1000; 1847, 201; 1849, 371, 386; 1852, 145; 1855, 28; 1856, 23–46; 1861, 419; 1865, 451; 1867, 292, 339, 346; 1868, 489; 1869, 359–367; 1870, 311–315, 322, 447; 1871, 179; 1873, 247.
marketing of, 1861, 421.
markets for, 1876, 215, 225, 242, 250.
packing of, 1850, 427; 1861, 420, 426.
preservation of, 1843, 165; 1849, 371; 1862, 483.
profit of making, 1869, 370, 422; 1873, 417; 1876, 387.
and cheese compared, 1876, 380.
quantity of milk per pound, 1847, 205; 1873, 421.
sweet cream and sour compared, 1876, 422.
the effect of breed of cow on, 1876, 416.
feed upon, 1876, 366.
various kinds examined by microscope, 1874, 242.
yield of, 1850, 405; 1852, 144; 1853, 24; 1856, 32; 1869, 369; 1871, 179; 1872, 298; 1873, 251; 1874, 244; 1875, 415.
Buttercup,
best remedy for, 1865, 510.
insects feeding on, 1868, 106.
Butterfly,
black swallow-tailed, 1864, 548.
directions for collecting, and other insects, 1868, 311.
cabbage, 1870, 78; 1871, 82.
Butternut,
value of, for timber, 1866, 481.
culture on prairies, 1862, 496.
Buzzard,
Harlan's and broadwinged, 1856, 112, 113.
red-tailed, and others, 1856, 111; 1863, 278.
utility of the turkey, 1865, 36.
Cabbage,
as feed, 1869, 441.
butterfly, 1870, 78, 79, 90.
cultivation of, 1865, 244, 279; 1867, 314; 1870, 169.
experiments with new varieties of, 1871, 140; 1875, 365, 366.
how to preserve, through the winter, 1854, 344; 1862, 485; 1864, 119.
nutrient properties of, 1864, 116, 278.
clump-foot or club-foot, 1854, 343; 1864, 120; 1870, 451; 1871, 411.
remedies for enemies of, 1871, 411; 1873, 289.
seeds, 1863, 358; 1864, 118.
size of, variation in, 1851, 4, 473; 1869, 605, 622.
soils and fertilizers, 1864, 117.
treatise on, 1870, 530.

Cabbage.
varieties of, 1843, 108; 1847, 187; 1854, xx, 341; 1855, 288; 1859, 18, 352, 359; 1865, 30, 517.
Cabinet,
directions for constructing entomological, 1868, 317.
Cacao,
description and uses of, 1870, 194.
Cactus,
giant and Thurber's, as food for Indians, 1870, 416, 417.
varieties and cultivation of, 1863, 371.
Cajeput,
oil of, sources and uses, 1870, 174.
Cake,
American and English linseed, analysis of, 1865, 429.
value of beet, for cattle feeding, 1867, 34.
Calcium,
chloride of, as a manure, 1856, 220.
Calf,
food for, 1850, 115; 1864, 261; 1867, 241.
management of, and raising, 1847, 493; 1867, 241; 1874, 384.
mode of feeding in Ayrshire, Scotland, 1856, 42.
California,
agricultural reports of, 1870, 515; 1873, 375; 1874, 422.
resources of, 1866, 581–610.
alfalfa, 1871, 235; 1874, 276.
angora goats in, 1872, 438.
article on swamp lands, 1872, 179; 1873, 287, 380.
agriculture of, 1862, 558–596.
beet sugar, 1873, 287, 376; 1874, 423.
bread made of chestnut by Indians, 1870, 405.
chicory, 1873, 287; 1874, 277.
climate of, 1866, 581; 1867, 283; 1868, 294; 1872, 449.
correspondence on crops of, 1851, 474.
cotton culture, 1870, 448; 1873, 377; 1874, 423.
dairying and men, 1870, 325; 1871, 231.
exports of breadstuffs, 1868, 452; 1874, 422.
fish culture, 1873, 451.
grape culture, 1863, 154; 1870, 151; 1872, 441; 1873, 377.
irrigation and rain, 1874, 352.
laws protecting birds, 1864, 446.
live stock, 1866, 590; 1868, 45; 1869, 47; 1870, 48; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
oranges, 1871, 233; 1872, 441.
products of, 1866, 224, 592–600; 1868, 443; 1873, 277; 1874, 424.
public lands in, 1868, 461.
relative value of lands in, 1867, 110, 119.
shipments of fruit from, 1869, 445; 1872, 441.
silk culture, 1866, 600; 1867, 8; 1868, 291; 1872, 449.
tabular estimate of crops in. (See Crops.)
tea culture, 1869, 236; 1872, 449.
timber and trees, 1868, 449; 1874, 423; 1874, 424; 1875, 328, 345.
university of, 1867, 319; 1871, 307, 332, 334; 1872, 350, 394, 396; 1876, 327.
wheat, 1871, 235; 1872, 440; 1873, 375; 1874, 422.
wool production, 1874, 422, 424.
Calla,
directions for potting and cultivating, 1863, 370.
Calomel,
use of, as a poison for mice, 1870, 620.
Calorific,
inventions, 1843, 327; 1844, 514; 1845, 25; 1846, 30; 1847, 41; 1848, 27.
Calves,
feeding on skimmed milk, 1876, 307, 384, 386, 426.
Camel.
adapted to different climates, 1862, 506.
articles on, and dromedary, 1853, 61–67.
experiment with, in Texas, 1862, 507.
successful acclimation in Australia, 1869, 630.
Camellia,
japonica, directions for cultivating, 1863, 368.

Camphor,
as a stimulant of germination, 1874, 278.
botanical name of, tree, 1870, 14.
source and uses of, oil, 1870, 176.
Campion,
rose, or cockle, how to destroy it, 1865, 510.
Canada,
pork packing in, 1876, 238.
Canal,
construction and navigation of, 1843, 288.
improvement in lock-gates of, 1844, 497.
proposed for irrigating Great American Desert, 1871, 274.
Canary-bird,
hybridization with goldfinch, 1863, 181.
Candle,
stearine, and other, 1843, 167; 1858, 221.
sources of, berry, or myrtle wax, 1870, 204.
Cane,
analysis of sugar, 1848, 278; 1857, 189, 191; 1862, 537.
Chinese sugar, 1845, 914; 1855, 279, 281; 1860, 471; 1873, 393.
cultivation of, and sugar making, 1848, 281, 293, 298, 304, 334; 1857, 190.
cultivation of sugar, in Florida, 1871, 167.
interrogations on, 1858, 70, 72.
success with Chinese sugar, 1857, 192; 1858, vii.
sugar, stalks as trellises for grape-vines in Italy, 1859, 130.
varieties of sorghum, 1857, 183–185.
Canker,
cause and treatment of, in horse's foot, 1870, 372.
Canning,
in Delaware, 1873, 280.
Illinois, 1873, 279.
Maine, 1869, 451; 1873, 287; 1874, 279.
Michigan, 1873, 430.
Cantaloupe,
varieties of, tested in experimental garden, 1865, 32.
Cantharides,
description, and use of, 1859, 122; 1866, 39.
insect feeding on, 1868, 106.
Caoutchouc,
improvement in preparing and cutting, 1845, 39.
sources of, coloring and kinds of, 1870, 190, 191.
Caper,
article on, cultivation and uses of the, 1855, 285.
cultivation in Southern States, 1854, 225; 1855, 286.
origin and use of, 1870, 202.
value of bush for hedges in warm climates, 1854, 409.
Capital,
advantage of, in farming, 1869, 435.
Capitao do Matto,
medical properties and use of, for tea, 1870, 199.
Caponizing,
object of, and process, 1870, 343.
Capron, Horace,
Commissioner, reports of, 1867, 1; 1868, 1; 1869, 5; 1870, 5.
Car,
refrigerating, for transporting meat and fruit, 1872, 489.
Carana,
resin, sources and uses of, 1870, 187.
Carap,
or crab oil, sources and uses of, 1870, 174.
Caraway,
cultivation and uses of, and seed, 1854, 344; 1870, 202.
Carbo-hydrates,
formation of, 1876, 57.
Carbon,
and carbonaceous manures, 1861, 568.
in plants, 1845, 1046; 1847, 223; 1849, 304; 1860, 442; 1869, 217.
Cardamon,
description and use of, 1855, xxix; 1870, 14, 200.
oil of, 1870, 179.

Carding,
machinery, 1844, 477; 1848, 35.
Cardoon,
cultivation and use of, 1854, 344.
Caribou,
history of woodland and barrens of, 1851, 108.
Carnauba,
source and uses of, wax of, 1870, 204.
Carob,
history and cultivation of, 1859, 19, 100, 118, 332.
successful propagation in department garden, 1860, 32.
Carpet,
manufacture of, in Philadelphia, 1871, 208.
Carpophilus,
description and habits of the, 1855, 97.
Carrot,
analysis of, 1850, 51; 1864, 282; 1865, 415.
culture and yield of, 1845, 304, 926; 1850, 385; 1852, 136; 1871, 358.
expense of cultivating, 1855, 260; 1863, 101.
size of the, in California, 1851, 4.
test experiments with, 1875, 365, 366.
value of, 1847, 185; 1863, 100; 1869, 365.
varieties of the, 1854, xix, 345; 1859, 18.
wild, as a weed, 1865, 512.
Casein,
analysis of, 1865, 411.
Cashew,
origin and uses of, 1859, 347; 1870, 176.
Cask,
manufacture of, and barrels, 1843, 302.
Cassada,
cultivation of, in Louisiana, 1855, 286.
Cassia,
source and use of, 1870, 177, 199.
Castanha,
or Brazil-nut oil, source and use of, 1870, 179.
Castor-bean,
analysis of, grown in Texas and in France, 1874, 152.
cultivation of, 1842, 41; 1845, 316; 1867, 425; 1869, 450.
oil and stearine from, 1841, 80; 1844, 394; 1845, 317.
perennial tendency of, and yield in Texas, 1870, 451; 1874, 152.
Castor-oil,
analysis of seeds of, plants, 1874, 152.
article on, plant, 1855, xxvii.
sources and uses of, 1870, 178.
Cat-bird,
as a destroyer of insects, 1863, 283, 299; 1864, 405; 1865, 41.
Catarrh,
history of the epizoötic, 1872, 204.
Cattle,
Ayrshire, 1863, 193, 195, 196, 197, 198; 1875, 424.
beef, of the West, 1862, 326.
to live weight of Hereford, 1844, 415.
breed of, 1852, 222, 282; 1853, 10; 1861, 427–430, 465–468; 1866, 294; 1867, 214.
condition of, in different States, 1872, 26; 1876, 105.
consumption of beef, 1866, 300.
Devon, 1855, 13, 14, 15, 20; 1867, 357; 1870, 287; 1875, 425.
different breeds, 1849, 92, 297; 1854, 5, 6, 8; 1855, 20.
distribution of meat, 1863, 248, 255, 257.
Durham, 1855, 21, 25; 1862, 331.
effect on form of, by climate, etc., 1855, 1, 2, 3.
exports of horned, 1858, 221.
feeding, 1845, 120; 1844, 155, 387; 1845, 330, 1008; 1847, 207, 341, 345, 475; 1852, 170; 1853, 25; 1854, 17; 1861, 287; 1862, 317, 318, 321, 334; 1866, 211; 1867, 212, 215, 349; 1870, 305; 1875, 510.
European experiments in, 1876, 368.
in New York, 1876, 299–311.
flesh yield of, 1847, 488.
Galloway breed for cold climates, 1861, 461; 1867, 337.
history of Ohio company importing English, 1851, 98.
Holstein, 1864, 161; 1874, 403; 1875, 425.

Cattle,
horned, first importations of, 1853, 1; 1854, 4; 1855, 8; 1861, 257.
husbandry as a means of maintaining the fertility of the soil, 1876, 383.
profits of, 1876, 383, 412.
importance of raising more, and sheep, 1864, 249.
importations of, 1853, 1; 1864, 164, 251; 1865, 487; 1866, 294; 1872, 275, 276, 297; 1875, 417.
increased value of, by introducing blood, 1871, 382.
in different localities, 1851, 320, 340, 348, 352, 527; 1852, 127; 1853, 25; 1855, 21, 26; 1867, 96.
Indiana, proportion of thoroughbred, 1876, 371.
interrogations on, 1858, 79.
Jersey and Alderney, 1861, 463, 464; 1863, 195; 1875, 425.
Kerry breed, 1861, 466; 1862, 313, 315, 317.
Kaisi and Damascus, 1855, 27.
losses of, 1876, 106.
Madison County, 1869, 371, 375; 1872, 504.
markets, 1866, 96; 1876, 210, 224, 250, 252.
for products of, 1876, 211, 225, 242, 250.
medical treatment of, 1859, 205.
neat, 1850, 114; 1861, 257; 1862, 41; 1866, 298, 299.
number and qualities in Morocco, 1862, 505.
numerous losses, 1873, 32; 1874, 266.
number and value exported in thirty years, 1853, 4.
in United States, 1875, 416, 417.
of diseases in, 1860, 94, 239; 1866, 72; 1868, 37, 38; 1870, 10, 40, 510; 1871, 32, 230; 1872, 33, 130; 1873, 31; 1874, 37; 1876, 105.
fattening, 1851, 62, 65, 66, 68, 69; 1864, 274, 284; 1866, 317.
Russia, 1855, 15–19.
plague, 1865, 550–567.
prices of, 1872, 41.
slaughter and shipment at Chicago, 1862, 326.
short-horned, 1863, 190, 195; 1864, 253; 1866, 302, 303, 305, 306, 307, 312, 315, 320; 1869, 438; 1874, 403; 1875, 416, 417, 420, 424.
Texas, 1875, 346, 347, 350; 1874, 265; 1875, 421, 422.
the greatest profits in fattening young, 1876, 371.
South American, 1865, 486, 495; 1870, 444.
Thorndale stock of, 1863, 192.
transportation and traffic, 1863, 249, 255; 1865, 86; 1869, 437; 1870, 50, 51, 251; 1871, 390, 415; 1872, 438.
value of different fodders, 1847, 480.
wintering of, 1871, 35; 1873, 31.
Caterpillar,
an unknown, 1855, 91.
army-worm, 1864, 552.
cotton, 1855, 71, 83; 1864, 90; 1867, 58, 60; 1871, 83; 1872, 118; 1873, 162, 163, 165; 1874, 129.
destruction of the peach twig by a small, 1872, 112.
directions for collecting and rearing, 1868, 313.
European cabbage, 1871, 82.
feeding on arrow-wood and seeds of rattle-box, 1867, 72; 1870, 80.
grass and yellow, 1855, 77; 1872, 118; 1873, 162.
hawk-moth, 1864, 549.
insects feeding on, 1868, 106.
new cabbage, 1870, 78.
oak-tree, 1869, 536; 1870, 82.
of the grape-vine, 1870, 81; 1874, 441.
pale-green, 1855, 103.
pea-green, 1855, 85.
remedies for various kinds of, 1849, 282; 1864, 552, 556; 1865, 204; 1867, 60.
that spin cocoons, 1864, 551.
the tent, or common, 1864, 551; 1870, 83.
Catnip,
or catmint, as a weed, 1865, 515.
Catalpa,
its use as timber, 1844, 458.
use of, for ornament, 1868, 200.
Cauliflower,
varieties of, 1854, xx, 346.
cultivation and value of, 1865, 244.

Cedar,
value, properties and uses of, 1862, 496; 1866, 480.
what insect injurious to, 1868, 94, 107.
Cedar-bird,
benefits and injuries of, 1863, 283, 299; 1865, 39, 40.
habits, nest and eggs of, 1864, 415.
Ceiling,
fire-proof, of iron and plaster, 1844, 501.
Celeriac,
cultivation of, 1854, 346.
Celery,
cultivation of, 1844, 333; 1854, 347; 1865, 246.
qualities and varieties, 1854, 347; 1859, 18, 328; 1870, 169; 1871, 140; 1875, 368.
Cellar,
mode of constructing walls of, 1859, 417.
ventilating and cleaning dwelling-house, 1863, 319.
Cellulose,
and starch, article on, 1875, 187–192.
Cement,
directions for making hard, 1870, 620.
manufacture of hydraulic, in New York, 1868, 377.
Census,
international agricultural, 1874, 21.
of the year 1870–1871, 45; 1873, 420; 1874, 19.
Centennial,
exhibits of the chemical division at the, 1876, 46.
museum at the, 1876, 17.
of American Independence, (art.) 1871, 288–305.
of the department in relation to, 1874, 6.
Cephalalgia,
similarity to influenza, 1872, 204.
Cercopis,
bicincta, a pretty insect, 1876, 30.
Cereal,
Article on, of Maine, 1862, 51.
introduced by the department, 1872, 410.
other facts concerning, 1872, 440; 1873, 177; 1875, 49.
total exports of, 1876, 176.
Ceresa,
bubalus and *diceros*, 1876, 29.
Chalk,
as a manure, 1856, 216.
Chalk-beds,
utilizing the, of Kansas, 1876, 378.
Chamber,
ventilation of, in dwelling-houses, 1863, 323.
Camomile,
varieties and cultivation of, 1854, 347.
Chärbon,
effects of, and remedies for, 1869, 39, 513, 514; 1870, 42.
the cure for, drainage, 1870, 499.
Charcoal,
for agricultural purposes, 1845, 420, 1048, 1168; 1861, 330; 1865, 384; 1868, 561; 1869, 496.
as a purifier, 1848, 298.
Charlock,
or wild radish, 1863, 116; 1865, 510.
Chat,
description of the yellow-breasted, 1864, 407.
Chauliognathus,
description and habits of, 1855, 89.
Cheat,
how to get rid of, 1844, 43; 1869, 504.
not degenerated or changed wheat, 1848, 471; 1849, 455; 1862, 80; 1865, 519; 1867, 312.
Cheese,
analyses of various kinds and makes of, 1876, 47, 48.
articles on, 1845, 988, 990, 993; 1870, 310–312.
consumption of, 1870, 509; 1873, 252.
cost of making, 1865, 437, 442.

Cheese,
cream in making, 1856, 28.
districts producing, 1866, 359, 361.
head, 1862, 489.
imports and exports, 1858, 221; 1863, 384; 1866, 379, 381; 1873, 243; 1874, 247.
influence of the breed of cows in, 1876, 416.
ingredients in, 1860, 96; 1874, 254.
kind the market demands, 1866, 374.
making, in other lands, 1856, 23, 29, 34, 38, 40, 45.
manufacture of, 1845, 995; 1848, 618; 1850, 427; 1863, 381, 403; 1867, 346; 1868 500, 510; 1869, 533; 1870, 323, 325; 1873, 241, 242, 418.
markets for, 1876, 213, 225, 242, 250.
merits of American, abroad, 1866, 373, 376; 1868, 501.
method of making, 1856, 30, 34; 1863, 391, 397, 398, 399; 1866, 362, 364, 369, 372; 1869, 631; 1873, 242.
of factories in different States, 1870, 497; 1872, 497; 1873, 246, 251; 1874, 247; 1875, 415, 425.
of the milk for, 1852, 330; 1865, 443; 1874, 253; 1875, 408, 409.
preservation of, 1862, 484.
product, 1853, 24; 1856, 32; 1863, 382; 1868, 437; 1870, 496; 1871, 177, 394; 1872, 298; 1873, 421, 454.
profits of, compared with butter-making, 1876, 380.
quality of, 1865, 450; 1873, 244.
size and form of, 1863, 407; 1865, 445.
statistics of, 1845, 325, 995; 1873, 454; 1874, 239.
traffic in, 1847, 653; 1869, 356, 441.
Chemical,
Division, exhibits at the Centennial, 1876, 46.
work of the, 1876, 10.
Chemist,
report of Charles M. Witherell, 1862, 508.
reports of Henri Erni, 1864, 514; 1865, 46.
Ryland T. Brown, 1871, 89; 1872, 138.
Thomas Antisell, 1866, 45; 1867, 31; 1868, 59; 1869, 65; 1870, 91.
William McMurtrie, 1873, 170; 1874, 147; 1875, 141; 1876, 46.
Chemistry,
agricultural, 1848, 220; 1872, 302; 1873, 170; 1874, 147.
application of, to agriculture, etc., 1876, 400.
as a science, 1864, 321.
discoveries in, 1843, 314; 1844, 510; 1845, 41; 1846, 20; 1847, 20; 1848, 68.
of sugar manufacture, 1862, 537.
Cherimoyer,
use and locality of, 1859, 562; 1867, 144.
Chermes,
habits of, and remedies for, 1860, 314; 1866, 33.
Cheroonjee,
source and use of the oil of, 1870, 179.
Cherry,
article on, the black-knot on, 1872, 175; 1874, 173.
cultivation of the, in different localities, 1858, 382, 387, 391, 409, 416; 1859, 340, 346.
description of various kinds of, 1864, 146, 147, 148; 1865, 187, 202.
desirable varieties of, 1850, 99.
insects injurious to the, 1868, 107.
origin and history of the, 1853, 292.
planting on the prairies, 1862, 496.
preservation of, 1862, 486.
reports on, 1856, 343, 352, 356, 381, 389, 391, 396, 400.
to prevent injury to tree, 1850, 99, 183; 1853, 294.
secure grafting stocks, 1856, 327, 328.
use of the wild and dwarf, by Indians, 1870, 414, 418.
varieties of different localities, 1853, 294; 1854, 243, 307, 309.
Cherry-bird,
habits, benefits and injuries of, 1863, 283; 1864, 415; 1865, 40.
Chervil,
cultivation and uses of, 1854, 348; 1864, 500.
Chess,
in wheat, 1851, 650; 1852, 46.
not transmuted wheat, 1865, 519; 1867, 312.
Chestnut,
insects injurious to, 1868, 107.

Chestnut,
of the American, 1866, 480; 1872, 164.
European, 1855, xlviii; 1856, 450; 1858, 380; 1868, 200, 201.
the horse, 1868, 199; 1870, 405.
Chewink,
habits of the, towhee bunting, or ground robin, 1864, 425.
Chicago,
flour and grain trade of, 1876, 190, 206.
markets of, for live stock and products, 1876, 213, 225, 242, 250.
pork-packing at, 1876, 234, 235.
prices of farm products at, 1876, 248.
Chiccory,
preparation of roots of, 1854, 348.
the cultivation of, 1854, xix; 1860, 230; 1871, 108; 1873, 287; 1874, 277.
use and varieties of, 1847, 193; 1859, 354; 1870, 198; 1871, 108.
wild, 1865, 514.
Chigoe,
or jigger, habits of and remedies for, 1872, 136.
Chili,
civil condition of, and imports from, 1876, 277, 278.
Chinese,
article on the, 1870, 572–576.
Chinquapin,
value of, for nuts and hedge, 1854, 410.
Chitine,
description of, 1875, 187, 188.
Chive,
origin and uses of the, or cive, 1854, 348; 1859, 334.
Chlorine,
value of, as a manure for plants, 1861, 579.
Chlorophyl,
action of light on, and absorbed by, 1869, 148.
Chocolate,
botanical name of, tree, 1870, 14.
Cholera,
article on hog, 1861, 147; 1875, 426.
description of, and remedies for, 1861, 153; 1863, 205, 206; 1867, 234; 1869, 43, 425.
losses from, 1866, 78; 1867, 99, 235; 1870, 510; 1872, 37; 1874, 39.
Chufa,
analysis of, 1857, 165.
cultivation of, or earth-almond, 1854, 349; 1855, xiii.
not indigenous in Minnesota, 1859, 565.
uses of, 1855, 259; 1873, 281.
Churn,
improvements in the, 1866, 286, 287; 1869, 333.
proper construction of, 1874, 241.
Churning,
room, and by water, 1861, 420, 425.
the other modes, 1867, 292; 1869, 333; 1874, 240.
Churras,
source and intoxicating qualities of, 1870, 187.
Cicada,
pruinosa and *septendecim*, 1876, 24, 25.
Cider,
making, 1862, 486; 1866, 284; 1869, 506.
quinces improve the flavor of, 1869, 507.
Cinchona,
articles on, 1866, 454–469; 1872, 169–174.
cultivation of, 1863, 515; 1868, 7; 1869, 12; 1870, 8; 1871, 103; 1874, 275.
history and uses of, 1859, 542; 1866, 455.
propagation of, for distribution, 1876, 65.
Cincinnati,
flour and grain trade of, 1876, 187, 206.
market for live stock and products, 1876, 214, 252.
pork-packing at, 1876, 217, 234, 235.
prices of farm products at, 1876, 246.
Cinnamon,
preparation and uses of, 1870, 199.
source and mode of extracting oil of, 1870, 177.

Cinquefoil,
or five finger, different species of, 1865, 511.
Circulation,
in plants, ascertaining rapidity of sap, 1870, 615.
Circular,
to agricultural societies, asking for statistics, 1860, 27.
Cistern,
construction of, 1860, 81; 1864, 291; 1867, 232; 1868, 524.
cost of, 1861, 319; 1867, 233.
use of, on prairies, 1867, 235.
Citron,
cultivation of, 1859, 105; 1867, 142, 147.
propagation of, 1867, 141, 149, 153.
varieties of, 1859, 337; 1867, 153.
Citronella,
source and uses of oil of, 1870, 174.
Cive,
or chive, 1854, 348.
Clapboard,
modes and improvements in making, 1843, 301; 1844, 504.
Clary,
origin, culture, and use of, 1854, 349.
Clastoptera,
obtusa and *proteus*, 1876, 31.
Clay,
improvements in manufactures, 1843, 323; 1845, 30.
use of burnt, for enriching soil, 1872, 436.
Clemson, Thomas G.,
article on fertilizers, 1860, 84.
remarks of, as Superintendent of Agricultural Affairs, 1860, 5.
Cleveland,
summer pork-packing at, 1876, 235.
Climate,
affecting physical condition of the soil, 1861, 275.
American and European, with rain tables, 1862, 594, 595.
and productions of Utah, 1870, 568.
Boston, compared with London, 1854, 428.
cause of the warm, of England and California, 1867, 280–283.
character of the Pacific and interior, 1853, 342, 344; 1867, 280.
comparisons of, for three years, 1853, 402.
definition and influence on plants, 1869, 99, 100.
effect of ocean and air currents on, 1855, 363.
for tobacco, 1853, 386.
influence of large bodies of water on, 1863, 466.
on animals, 1855, 1.
the gluten and starch in wheat, 1871, 401.
in Japan, influence of the ocean on, 1873, 364.
local, of the United States, 1865, 289; 1866, 138, 147, 148, 151, 163.
no change of, at Boston, 1854, 423.
notes on, for the year 1851, 1853, 424.
of Australia, 1874, 440.
corn and other crops suited to America, 1853, 346, 378.
cotton districts, 1855, 317, 322, 325, 326, 328, 330, 332, 333, 334.
various countries, 1858, 477; 1860, 155; 1861, 60, 156.
vine and grape growing, 1853, 378; 1867, 27.
on plain of Malaga, Spain, and rain-fall, 1864, 502.
peculiarities of the, in the year 1852, 1853, 421.
seaboard, interior, and lake, 1866, 139, 140.
similarity of, on corresponding coasts, 1863, 470.
southern shore of Lake Erie and eastern of Michigan, 1866, 170, 183.
underground, 1856, 492.
Climatology,
agricultural, of the United States compared with other parts of the globe (art.), 1853, 328–432.
of New England, 1854, 423.
Pernambuco and Parana, 1855, 325, 326.
the American grape-vines, 1862, 194.
Mediterranean islands and India, 1855, 333, 334.
Nile, Algeria, and other parts of Africa, 1855, 328, 330, 332.
United States, 1855, 322.

Closet,
construction of an earth, 1868, 587; 1871, 479, 486.
kind of earth to be used in, 1868, 588; 1871, 487.
Moule's system, 1871, 465.
objections to dry-earth system, 1872, 403; 1874, 436.
of the economy and use of earth, 1871, 481, 483.
question of health from the use of earth, 1871, 467.
successful army use of the earth, 1871, 481, 483.
treatment of earth after removal from, 1871, 490.
Clotbur,
how to destroy, 1869, 504.
Cloth,
beauty of the Chinese grass, 1863, 108.
first broadcloth made in the United States at Pittsfield, 1871, 402.
insect eating woolen, 1868, 117.
maize, 1863, 436, 437.
value of imports and exports of bolting, 1858, 224.
yards of woolen, made by the Willamette Mills, 1874, 271.
Cloves,
cultivation and description of various kinds, 1858, 451, 453.
effect on the radiation of heat from the earth, 1858, 454.
origin and preparation of, 1870, 199.
source and uses of oil of, 1870, 177.
Clover,
Alsike, 1865, 352, 353; 1869, 90, 518; 1870, 541.
analysis of, 1849, 486; 1864, 281; 1865, 421; 1874, 150.
benefit of plaster to, 1868, 511; 1869, 281.
bur, for cattle and the Indian, 1870, 419, 423.
Chilian alfalfa and lucerne of Europe, 1854, xxiii.
cultivating for seed, 1844, 142.
curing of, 1852, 271; 1853, 218; 1865, 354, 422.
experiments with, 1868, 411; 1869, 280; 1871, 253.
for hogs, 1853, 214.
horses, 1852, 229, 240.
gathering and preparing seed of, 1853, 216; 1863, 433.
good effect of lime on, 1850, 347.
in Georgia and seed in Western New York, 1872, 450.
Japan, 1867, 253; 1869, 91.
origin of Alsike, 1847, 157.
quantity sown per acre, 1853, 219.
stone, and Welch as a weed, 1865, 511.
use of, for manuring, 1864, 309, 310; 1866, 221; 1870, 492; 1871, 352; 1874, 263.
varieties cultivated in Southern States, 1860, 230, 231; 1867, 253; 1869, 442.
varieties cultivated on experimental farm, 1865, 30; 1866, 10.
of, 1854, xxiv; 1859, 19, 129, 566.
yield and value of Bokhara, for fodder, 1843, 107.
Club,
farmers', 1867, 236, 237; 1874, 275.
National Dairymen's, and Board of Trade, 1875, 459.
results of the American Institute Farmers', 1869, 416.
Coach,
improvements in making, 1843, 305.
Coal,
analysis of bituminous, of Kentucky, 1864, 537.
Texas, 1870, 95.
anthracite, trade in Pennsylvania, 1851, 572.
block, in the manufacture of Bessemer steel, 1874, 383.
extensive mining of, in Ohio, 1851, 398.
field of Indiana, 1872, 462.
in Virginia, 1863, 66; 1864, 19.
machine for breaking and screening, 1843, 309.
manufacture of bone, and its revivification, 1861, 308.
measures of Michigan and other States, 1869, 549, 558, 568, 579.
Cob,
potash in corn, 1872, 436.
Cobæ,
value of the climbing, for immediate shade, 1868, 205.
Cobweb,
injurious effects of, on sheep, 1847, 285.
Coca,
description, properties, and uses of, 1870, 196.

Cocculus,
description of the Carolina, 1868, 205.
Coccus,
article on the orange scale, 1855, 115; 1858, 256.
blight or rust supposed to be caused by, 1873, 200.
description of two forms of, 1860, 312.
first appearance of, in Florida, 1855, 117; 1858, 268.
insects destroying the, 1858, 250.
pinicorticis, 1876, 44.
ravages of, in the Azores and Florida, 1858, 268.
remedies for, 1855, 117, 118; 1858, 259, 269; 1859, 554.
use of, in dyeing red, 1866, 33, 34.
wax and lac produced by, 1866, 33, 34.
Cochineal,
cultivation of plant and use of insect in Mexico, 1855, xxxiii.
origin and production of, in various countries, 1866, 33.
production and gathering of, in Canary Islands, 1864, 503.
Cochorous,
distribution and uses of, 1859, 355.
Cock,
different varieties of the pea, 1865, 99.
of the plains, 1864, 361.
the wild, of Sumatra, 1865, 97.
Cock-chafer,
habits of the European, 1868, 88.
Cockle,
origin of, and mode of destroying it, 1865, 510.
Cockroach,
classification of, 1863, 275; 1874, 131, 132.
description and habits of the, 1862, 374; 1868, 308; 1874, 131.
food of the, 1863, 275; 1868, 308.
remedies for the, 1862, 375; 1870, 77; 1873, 157; 1874, 132.
the large black, 1864, 544.
Cocoa,
imports and exports of, and chocolate, 1858, 226.
Cocoon,
culture of, in different States, 1841, 65, 76.
description and variety of, 1866, 36, 37.
mode of drying, 1872, 314.
number required for a pound of raw silk, 1872, 306.
superiority of the California, 1868, 288, 294; 1870, 235.
Cocoonery,
article on the management of a, 1847, 452.
Cod,
on the coast of Alaska, 1870, 375, 380.
Cœlidea,
sub-bifasciata, 1876, 32.
Coffee,
consumption and chemistry of, 1873, 318, 319.
cultivation of, 1858, 313; 1873, 318.
in the United States problematical, 1876, 63.
imports and exports, 1850, 561; 1858, 226.
in Central America, 1858, 314, 315.
Jamaica and Java, 1858, 315, 321.
injurious effects of, with milk, 1869, 634.
in Nicaragua and Brazil, 1864, 491, 492.
origin and medical properties of, 1870, 195.
proposed culture of, in the Southern States, 1844, 142.
the Kentucky tree for ornament, 1868, 200.
values of, 1861, 369; 1872, 453.
Cohune,
source and use of, oil of, 1870, 177.
Coinage,
business of the United States Mint, 1850, 533; 1852, 420; 1853, 433.
Coir,
history and uses of, and other fibers, 1863, 108.
Cold,
effects of, 1857, 494, 495, 502, 503.
Collection,
botanical, for the department herbarium, 1869, 15, 91; 1870, 11, 108; 1872, 150; 1873, 10; 1874, 8, 156.

Colleges,
agricultural, 1858, iv; 1865, 137–186.
European agricultural, 1865, 153, 155, 160, 161, 165.
our industrial, 1867, 317–333; 1868, 541–554; 1869, 452–487; 1870, 467–487; 1871, 306–346; 1872, 348–397; 1873, 321–363; 1874, 312–351; 1875, 469–499; 1876, 326–362.
veterinary, 1859, 181, 183, 192, 194.
Colonization,
English, in Kansas, 1873, 286.
Greeley colony in Colorado, 1870, 569.
Colony,
The Greeley, 1870, 569, 571.
Color,
effect of, on plants, 1870, 139, 140.
influence of, violet, on plants, 1871, 429.
method of extracting, from plants, 1870, 614.
of cattle no indication of breed, 1876, 374.
Colorado,
agricultural capabilities, 1869, 601, 602, 603.
fences of, 1871, 506.
flour for Boston, 1872, 449.
forests, wood and timber of, 1875, 331.
irrigation in, 1861, 156; 1869, 603; 1871, 269.
potato field, 1874, 280.
products and resources of, 1861, 154, 156; 1869, 547, 601.
quality of its public lands, 1868, 459.
stock-raising and forest-culture, 1871, 409.
wild furits and flowers of, 1866, 126.
Colts,
directions for breaking, 1871, 428.
of feeding well in winter, 1871, 401.
proper age for weaning, 1864, 160.
Colocynth,
use of, as a medicine, 1860, 33.
Colza,
cultivation in Pennsylvania, 1855, 266.
of, for oil, 1845, 400–402; 1853, 226.
mode of making oil of, 1845, 404.
oil for machinery and light-houses, 1870, 181.
varieties of, and time of sowing, 1854, xxv, 349.
Comfrey,
value of the prickly, for cattle, 1843, 106.
Commerce,
statistics of, in the United States, 1842, 48; 1843, 212; 1844, 122; 1845, 1072; 1847, 578; 1848, 734, 765; 1849, 499; 1850, 531; 1851, 512; 1852, 422; 1853, 4, 27, 38, 50, 75, 102, 128, 154, 165, 170, 181, 202, 234, 238, 243, 255, 261; 1854, 476; 1855, 395; 1856, 497; 1857, 30, 360; 1858, 221; 1861, 41, 78; 1862, 600; 1863, 608; 1864, 591; 1865, 76; 1866, 90; 1867, 121; 1868, 47; 1869, 54; 1870, 62; 1871, 39, 44; 1872, 54; 1873, 73, 84, 141; 1874, 71.
Commissioner,
of Agriculture, reports of, 1862, 4; 1863, 3; 1864, 3; 1865, 1; 1866, 5; 1867, v, 1, 16; 1868, 1; 1869, 5; 1870, 5; 1871, 1; 1872, 3; 1873, 5; 1874, 5; 1875, 7; 1876, 7.
of Patents, reports of, 1837, 1; 1838, 1; 1839, 1; 1840, 1; 1841, 1; 1842, 1; 1843, 1; 1844, 1; 1845, 1; 1846, 1; 1847, 3; 1848, 3; 1849, 5; 1850, 1; 1851, 1; 1852, 1; 1853, iii; 1854, iii; 1855, iii; 1856, ii; 1857, iii; 1858, iii; 1859, 3; 1860, 3; 1861, 3.
Compensation,
insufficiency of clerical, 1869, 18.
Compost,
recipe for a muck, 1871, 411.
various kinds, 1870, 490; 1871, 253, 254, 352, 404; 1874, 391.
Condiment,
article on, and spices, 1870, 199.
Congress,
agricultural, at Paris, 1869, 626.
Vienna, 1874, 20.
Coniomycetes,
ustilaginei, a fungus, 1876, 81.
Connecticut,
agricultural schools. (See Colleges.)
society of, 1870, 489; 1875, 438; 1876, 363–370.

Connecticut,
cattle-raising in, 1853, 5; 1854, 12; 1855, 20; 1863, 460.
digest of agricultural reports of, 1867, 343; 1869, 525; 1870, 487; 1874, 427.
fences in, 1871, 500.
forests, wood and timber of, 1875, 253.
mineral fertilizers of, 1868, 376.
of the tobacco of, 1870, 169; 1874, 429.
profits of farming in, 1872, 437; 1874, 203.
relative value of lands in, 1867, 103, 111.
remarks on crops in, 1850, 180, 300, 338, 377; 1851, 170; 1852, 164; 1853, 103.
tabular estimate of crops of. (See Crops.)
value of each kind of live stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1876, 112.
Conservatory,
the new department and valuable plants therein, 1870, 13, 14.
Contribution,
to the department cabinet and museum, 1859, 569; 1867, 76; 1869, 636; 1870, 673; 1871, 513; 1872, 512; 1873, 477; 1874, 452.
Cooler,
principle and construction of milk, 1869, 333.
Copal,
source and uses of, 1870, 183.
Copper,
analysis of pyrites of Maryland, 1865, 51.
deposits of Lake Superior and Minnesota, 1863, 38.
Coprolite,
origin and use of, as a manure, 1856, 238.
Coral,
origin and use of, and sand as manure, 1856, 236.
Coriander,
cultivation and uses of, 1854, 349; 1870, 202.
Cork,
bark for fishing-tackle and tanning, 1859, 119.
oak, origin and description of, 1854, xxxiii.
of introducing, into the United States, 1859, 14; 1870, 450.
properties and uses of, 1858, 334, 337.
Corn,
acreage of, compared with cotton, 1876, 120.
analysis of, 1844, 189, 194; 1847, 133; 1849, 470; 1855, 163; 1857, 160; 1861, 273; 1864, 276; 1865, 400, 401, 425.
area moving west, 1876, 282.
as an exhausting crop, 1861, 265, 266.
canning sweet, 1869, 451; 1873, 287; 1874, 279.
cause of the color of, 1844, 193; 1853, 101.
cinquantino, in Sicily, 1859, 121.
composts for, 1844, 189; 1845, 183; 1849, 237.
cost and profit of raising, 1867, 244; 1873, 52, 278.
of raising, in the different States, 1847, 400; 1849, 118; 1850, 19; 1851, 186, 383; 1852, 195; 1853, 105, 109; 1870, 450; 1871, 229; 1874, 269.
cotton and, *versus* cotton, 1870, 448.
crop, 1876, 96, 104.
of Europe, 1845, 1055.
cutter and knife, 1860, 81; 1866, 281.
description of the flowers, etc., 1864, 349.
drawf variety ripening in forty days, 1854, xiv.
early maturity of King Philip, 1859, 565.
ear of, at Smithsonian, found in a grave in Peru, 1870, 420.
engravings of kernels of varieties, 1844, 196.
estimates of crops of, 1841, 64; 1842, 4; 1843, 12; 1844, 11; 1845, 90; 1847, 84; 1848, 92; 1851, 498; 1862, 577; 1863, 593; 1864, 568; 1865, 55; 1866, 53; 1867, 80; 1868, 25; 1869, 24; 1870, 26; 1871, 17; 1872, 12; 1873, 18; 1874, 23; 1875, 20.
experiments with, 1871, 140, 239, 251; 1872, 414, 417, 467; 1873, 230, 231; 1874, 186; 1875, 502; 1876, 390, 391.
exports and imports, 1847, 13, 524; 1853, 102; 1858, 225; 1861, 264; 1876, 170, 172, 175.
first cultivation of, by the colonies, 1872, 279.
fodder, 1844, 197; 1845, 447; 1849, 124, 226, 239; 1853, 116; 1855, 168; 1861, 287; 1866, 222; 1869, 284, 295; 1870, 293; 1872, 444.
for bread, 1849, 227.

Corn,
for fuel, 1872, 446.
geographical range and limits of, 1853, 98, 337, 352, 354.
harvesting, 1850, 152; 1861, 286, 287; 1866, 221.
heat required to germinate, 1864, 345.
husking-machine, 1866, 281; 1869, 329.
Indian millet or durra, 1854, 160; 1865, 300.
influence of climate on, 1847, 391; 1853, 125, 146, 346.
insects injurious to, 1868, 107, 111.
interrogations on, 1858, 32.
labor saving in planting, 1851, 257; 1853, 103; 1861, 278; 1869, 323; 1870, 400.
maize or Indian, 1844, 182; 1853, 96; 1861, 262; 1874, 268.
making new varieties, 1845, 446.
meal, exports of, 1876, 170, 175.
measuring, 1845, 184; 1853, 124.
native locality of, 1859, 305.
new varieties, 1848, 134.
Northern varieties South, 1851, 245.
number of bushels of, to 100 inhabitants, 1871, 52.
objection to Southern varieties North, 1863, 502.
of manuring, 1851, 180; 1853, 104, 108; 1854, 115, 122; 1864, 312; 1868, 419; 1869, 269; 1871, 239, 240; 1873, 306.
meal, 1855, 160, 161; 1873, 292.
oil from meal, 1841, 4, 78.
on Missouri River, 1838, 58.
origin of the improved King Philip, 1855, xi.
planting, cultivating, etc., 1844, 184; 1845, 436; 1848, 652; 1849, 87, 129, 148, 231, 236; 1850, 426; 1851, 345, 383; 1852, 291, 347; 1853, 112, 117, 121; 1854, 122, 124, 126, 356; 1855, 169; 1861, 279, 282, 283; 1865, 391; 1866, 215, 217, 218; 1867, 242; 1868, 421; 1869, 267, 270, 271; 1870, 455, 456, 457; 1872, 291; 1873, 401.
preferred varieties for food, 1861, 276.
premium crops of, 1868, 508.
preserving, 1854, 133; 1862, 485; 1863, 360.
prices of, 1848, 786; 1873, 42, 51, 52.
production, increase of, 1876, 282.
remarks on crops, 1841, 71; 1842, 16; 1843, 52; 1844, 58; 1845, 165; 1847, 126; 1848, 131; 1849, 86; 1850, 180; 1851, 130; 1852, 59; 1853, 96; 1854, 122; 1855, 155; 1862, 547; 1865, 54; 1866, 52; 1867, 77; 1868, 20; 1869, 22; 1870, 24; 1871, 13; 1872, 9; 1873, 16; 1874, 23.
seed, 1844, 183; 1847, 130; 1852, 143, 154; 1853, 97, 98, 123; 1861, 277; 1866, 216; 1869, 271, 540; 1871, 241, 394; 1873, 399; 1875, 513.
sheller, 1865, 283; 1869, 328; 1872, 290.
shrinkage and loss of weight, 1874, 269, 270.
"sowed corn" as a forage crop, 1871, 418.
sugar from, 1841, 5, 79; 1843, 146; 1845, 921, 924; 1875, 143.
taken by Cortez from Mexico to Europe, 1847, 411.
United States crop in 1840, 1850, and 1859, 1852, 3; 1862, 11, 547; 1867, 2.
unsound, injurious to horses and mules, 1853, 226.
use of, among the Indians, 1870, 419.
utility of grinding cob, 1851, 142.
varieties of names of, 1838, 57; 1843, 56, 135; 1844, 191, 192, 193, 196; 1845, 167, 182, 436, 446; 1847, 129, 130, 131, 382; 1848, 135, 456; 1849, 101, 111, 117, 124, 134, 137, 140, 142, 147, 150, 169, 172, 175, 178, 182, 184, 227, 228, 229, 230, 470, 472; 1850, 18, 19, 20, 21, 23, 152, 180, 190, 213, 228, 232, 250, 278, 281, 285, 291, 302, 314, 376, 398, 400, 406, 407, 426, 440, 445; 1851, 196, 217, 238, 261, 303, 405, 407; 1852, 200, 219, 223, 258, 315, 332, 339; 1853, 98, 99, 100, 101, 109, 113, 115, 119, 122, 124, 126; 1854, xiv, 122, 123, 126, 127, 128, 130, 131, 132, 134; 1855, 161, 162, 164, 165, 166, 171, 172, 173, 174, 176, 177, 178, 179, 180; 1857, 161, 162, 163; 1868, 480, 518; 1869, 270, 294; 1871, 240, 241; 1872, 414, 415, 416, 417; 1873, 230, 231, 232, 398, 399; 1874, 186, 187, 258; 1875, 363, 365, 366, 367, 368.
Westminster Farmers' Club's experiments with, 1870, 458.
worm of Maryland and remedy for, 1870, 84.
why some kinds pop, 1844, 192; 1853, 100.
yield of, 1845, 185; 1849, 87; 1851, 415, 479; 1854, 126; 1861, 253, 263, 277; 1869, 540; 1871, 230, 240, 355, 434; 1874, 268; 1875, 40, 41, 42, 46, 48, 59.
yield, product, and value of, in the several States, 1876, 91.
Corn,
nature and treatment of, on horse's foot, 1870, 371.
Correspondence,
consular (art. on), 1864, 487.

Cost,
of packed hogs, 1876, 233, 234.
producing cotton, 1876, 137.
Cottages,
constructing, of unburnt bricks, 1843, 6; 1844, 450.
plan of building cheap (art. on), 1842, 98, 100.
Cotton,
accidents to, and diseases of plant, 1855, 230; 1857, 121, 127.
analysis of seed, 1849, 317; 1855, 234, 237; 1874, 220.
analysis of the ashes and soils, 1857, 296, 301, 303.
area or acreage of, 1876, 117–120.
army worm, 1844, 117; 1864, 90.
big cream-seed sea island, 1844, 109.
California, 1870, 448.
care needed to prevent cross-breeding, 1845, 763.
caterpillar, rust, and rot, 1852, 47; 1855, 232; 1864, 90.
changes in the mode of cultivating, 1876, 127.
climate of, 1853, 363; 1855, 317; 1862, 105.
comparative freights to Liverpool, 1848, 787.
compared with the acreage of corn, 1876, 120.
consumption, 1870, 54.
of goods in the United States, 1850, 534.
cost and price of, 1876, 137.
crops of, 1851, 564; 1852, 1; 1867, 78; 1875, 33, 46; 1876, 104.
culture of, 1845, 755, 756; 1849, 171, 313; 1850, 217; 1851, 343; 1853, 197, 371; 1854, 177, 179, 184, 185; 1855, 238; 1859, 120; 1860, 471; 1862, 108; 1864, 89, 473, 492, 494, 504; 1866, 193, 196, 198, 205; 1867, 409, 418; 1868, 562; 1870, 462, 463, 464; 1871, 422; 1873, 276, 370, 377.
directions for preparing, for the market, 1844, 119; 1845, 769.
experiments in growing, 1862, 110; 1867, 410; 1869, 285, 290, 291; 1870, 461; 1871, 141, 242; 1872, 422; 1873, 293; 1874, 257, 389.
exports, 1851, 513; 1865, 85; 1868, 24; 1873, 85, 87, 88.
fertilizers for, 1876,122.
Fiji Island, 1872, 192.
flax, 1862, 113, 405, 407, 410.
Florida for growing sea-island, 1849, 456.
gun, 1847, 36.
history and progress of culture of, 1872, 294, 406.
importations of, into Liverpool, 1845, 793; 1867, 13.
improvements in preparing for manufacturing, 1848, 32.
improvement of the gin, 1853, 188; 1869, 330.
increase in production of, since the war, 1876, 115.
in India, 1842, 24; 1843, 81; 1844, 124; 1845, 757; 1853, 195, 371; 1855, 226.
Missouri, 1861, 221.
insects infesting plant, 1854, 62, 64; 1857, 121; 1858, 271; 1864, 89; 1866, 198; 1868, 107.
interrogations on, 1858, 61.
investigation, 1876, 114.
summary of, results of, 1876, 151.
is it the most profitable crop for the Southern States? 1867, 424.
large yields of, 1876, 139.
manufacture of, 1844, 412; 1845, 756; 1856, 255–304; 1857, 306; 1864, 91; 1868, 23; 1869, 9; 1870, 448; 1873, 85, 87, 88.
manures for, 1845, 768; 1869, 529; 1871, 242, 243, 245.
market in England, 1842, 25; 1843, 81; 1844, 285; 1845, 771, 775, 785.
mills in Southern States, 1869, 9.
of preserving and restoring lands, 1868, 562.
the fiber and staple of, 1853, 181, 184, 187, 196; 1854, 181, 182.
gathering, 1854, 181; 1866, 200.
quality of, 1853, 189, 191.
States called, 1843, 75.
origin and history of, 1853, 178, 179, 180, 371.
preparing, for market, 1866, 202.
prices at Mobile, 1848, 788.
of American and Indian, in Great Britain, 1876, 114.
production of, annual, before and since the war, 1876, 116.
by free labor, 1864, 88, 92; 1867, 420.
tending westward, 1876, 119.
profits of growing, 1849, 309; 1861, 222; 1871, 234.

Cotton,
remarks on crops in the different States, 1841, 75; 1842, 22; 1843, 75; 1844, 107; 1845, 272; 1847, 170; 1848, 151; 1866, 63; 1867, 78; 1868, 22; 1869, 22; 1870, 25; 1871, 14; 1873, 17; 1874, 23; 1875, 20.
sea-island, 1854, 178; 1859, 560; 1862, 107; 1871, 245.
seed as a fertilizer, 1851, 332; 1852, 62; 1869, 529; 1870, 466; 1871, 404; 1872, 436.
oil, 1844, 431; 1847, 173.
selection of, 1864, 88; 1866, 209, 210.
varieties of, 1876, 147.
States, change in size of the farms in the, 1876, 128, 129.
increased production of supplies in the, 1876, 148.
labor in the, 1876, 130.
statistics of the trade, 1849, 510, 569; 1850, 506; 1852, 439; 1853, 181; 1856, 255–304; 1857, 308, 319, 322, 323, 342, 353, 372, 388, 396, 402, 406, 415; 1858, 226; 1862, 111, 551; 1867, 413, 415; 1870, 54.
table of measurement of the fibers of, 1853, 193.
tabular estimate of crops of, in the different States. (See Crop.)
the area producing, 1876, 117.
use of, for beds, 1844, 281.
valuable varieties of, 1848, 154, 155; 1850, 263.
varieties of, 1849, 151; 1854, 178, 182; 1855, 235; 1859, 560.
what it is, 1862, 104.
Whitney's, gin increased production, 1853, 180.
yield of, 1850, 195, 234, 257; 1851, 343; 1854, 186; 1875, 33.
Cotton-wood,
planting of, 1862, 496; 1873, 440.
the tree and its uses, 1872, 162.
Coulter,
Spink's anti-clogging, 1866, 249.
Cows,
abortion in, 1868, 493; 1871, 230.
analysis of milk of Dutch, 1864, 166.
best way of keeping and soiling, 1867, 241.
breeding and training for profit, 1876, 425.
butter yield from, 1869, 369; 1874, 244.
care and economy of, size of, 1871, 250.
construction of, yard, 1848, 349.
cotton-seed meal and corn fodder for, 1869, 284, 440.
difference in yield of, 1870, 316.
different types of, for milk, 1876, 415.
early-cut hay for, 1869, 285.
effect of impure water on dairy, 1871, 177.
first importation of, 1872, 275.
for breeding dairy, 1866, 313.
the dairy, 1849, 376, 381; 1850, 120; 1863, 409; 1870, 491; 1876, 392, 419, 420, 425.
income from, 1849, 16; 1850, 384, 405; 1869, 518; 1870, 447.
management of, 1867, 245.
dairy, 1856, 50; 1863, 412; 1868, 512; 1871, 419; 1873, 414.
milch, number, prices, etc., 1876, 104, 112.
milk from the tree, 1870, 198.
milking, 1861, 419.
of feeding the, 1847, 203; 1848, 176; 1856, 25, 26, 37, 47; 1861, 419; 1869, 284, 440; 1870, 291, 491; 1873, 414, 420; 1874, 252; 1875, 411, 412, 413.
the breeds of, 1856, 39, 41, 51; 1869, 524.
points of good, 1876, 374, 392, 421, 425.
prices of, 1872, 40; 1873, 38; 1875, 35.
remedy for foot-rot in, 1868, 488.
signs of a good, 1848, 174; 1849, 381; 1864, 162.
spaying for milk, 1870, 447.
table showing number in United States, 1863, 262.
treatment of, 1856, 26, 33; 1876, 363, 392, 419, 420, 425.
value and profit of milch, 1868, 483; 1870, 447.
of different kinds of food for, 1873, 411; 1876, 425.
in California, 1851, 475.
yield of an Ayrshire herd, 1872, 453.
different breeds, 1861, 460; 1874, 252.
Holstein and Jersey, 1873, 252, 253, 417.
milk by premium in Massachusetts, 1868, 440.
Cowbane,
wild parsnip and water hemlock, 1865, 512.

Cowberry,
for food, 1859, 347.
Cow-bird,
habits, nest, and eggs of, 1864, 426; 1865, 37.
Crab-apple,
American, 1868, 203; 1870, 414; 1875, 376.
Siberian, 1870, 505.
Crab-oil,
or carap, 1870, 174.
Cranberry,
abundance of, in Northwestern States, 1842, 36.
chemical analysis of soil, 1874, 164.
cultivation of, 1843, 111; 1845, 309, 929; 1853, 324; 1854, 320; 1857, 237; 1858, 389; 1862, 53; 1863, 131–136; 1865, 285; 1868, 442, 482; 1869, 205, 418, 508; 1870, 525.
from seed, 1874, 171.
insect injurious to, vine and fruit, 1869, 207.
interrogations on, 1858, 51.
in District of Columbia, 1858, 389.
New England, 1843, 111; 1868, 442.
New Jersey, 1865, 285; 1868, 442; 1871, 398; 1873, 446, 447; 1874, 161, 411, 412.
New York, 1853, 324.
the Pacific States, 1870, 442.
Virginia, 1854, 320.
Wisconsin, 1871, 408; 1872, 442; 1873, 461, 466.
native locality of, 1859, 347.
new rake for gathering, 1842, 36.
of preserving, 1857, 239; 1862, 486.
bottoms and sanding, 1874, 166, 169.
gathering, 1869, 211, 212.
irrigating land, 1874, 164.
the trade, 1874, 270, 271.
profits of, 1868, 482; 1869, 208, 211; 1874, 171, 271.
proper soil for, 1857, 238.
report of the Microscopist, 1874, 161.
requisites for successful culture, 1869, 418.
rot and scald, 1874, 161; 1875, 193, 194, 204.
the culturist, 1869, 507.
interest, article on, 1869, 204–212.
use of, by the Indians, 1870, 415.
Crane,
description and habits of the whooping, 1856, 156.
Craw-fish,
injuries to cotton-plant, remedy, 1867, 61, 62.
Cream,
in churning, 1843, 112; 1869, 364, 367.
new method of increasing, 1848, 170.
mode of obtaining, 1843, 166.
skimming, 1861, 420; 1869, 364.
to make "Devonshire clouted," 1861, 451.
yield of butter from "cream-pot" cows, 1866, 293.
Creamery,
management of, 1870, 311, 313; 1874, 240.
Creeper,
American brown, 1864, 419.
family of, 1863, 300.
the Virginia or American ivy, 1868, 204.
white and black, 1864, 406.
Cress,
the nasturtium or Indian, 1854, 367.
pepper-grass, winter, common, and water, 1854, 350.
Cricket,
different classes of, 1862, 378, 379, 381; 1871, 79; 1873, 389; 1874, 129, 141, 143.
habits of and directions for collecting, 1868, 308.
remedies for, 1862, 379; 1864, 544; 1874, 142.
Crops,
accidental prize, 1871, 235.
acreage, yield, and value of, 1876, 91, 104.
action of mold in the production of, 1861, 268.
aggregate value of, from 1866–1874, 1875, 47.

Crops,
amount of water evaporated from an acre of, 1874, 434.
analysis of the ash of root, 1849, 268.
barley and buckwheat, 1876, 91, 104.
bread, 1853, 96; 1854, 122; 1857, 153; 1858, 21.
by early American settlers, 1872, 279.
comparisons of, 1866, 12; 1867, 340.
cost of production of, 1848, 660; 1873, 278.
estimates of, in different States, 1841, 64; 1842, 4; 1843, 12; 1844, 11; 1845, 90; 1847, 84; 1848, 92; 1851, 498; 1862, 577; 1863, 593; 1864, 568; 1865, 55; 1866, 53; 1867, 80; 1868, 25; 1869, 24; 1870, 26; 1871, 17; 1872, 12; 1873, 18; 1874, 23; 1875, 20; 1876, 94.
exhausting effects of various, 1874, 399.
experiments with, 1873, 394.
general summary of, 1862, 1863, and 1864; 1864, 7; 1865, 9.
in European states, yield of, 1876, 264.
the several States, 1876, 91–104.
Colorado, 1871, 410.
manurial, 1864, 317, 318.
manuring constituents of certain, 1860, 111.
Mississippi reports, 1872, 448.
of Great Britain, 1874, 275.
obtaining statistics of, 1874, 18.
on American, 1858, 213.
physical agencies in the production of, 1861, 562.
price and yield, in the several States, 1876, 102.
profitable, 1851, 7.
raising large, by mineral fertilizers, 1871, 257.
remarks on, 1841, 68; 1842, 6; 1843, 14; 1844, 13; 1845, 92; 1847, 86; 1848, 94, 342; 1849, 83; 1850, 1, 180; 1851, 132; 1852, 61; 1853, 103; 1854, 122; 1855, 155; 1856, 246; 1859, 524; 1862, 546; 1863, 589, 603; 1864, 3, 564; 1865, 54; 1866, 51; 1867, 79; 1868, 16; 1869, 20; 1870, 24; 1871, 13; 1872, 9; 1873, 16; 1874, 23; 1875, 19.
root, 1849, 259, 264; 1850, 385; 1858, 289; 1867, 340.
rotation of, 1845, 351; 1847, 359, 384; 1848, 669; 1850, 125, 244; 1852, 48; 1854, 120, 122; 1855, 155; 1858, 21, 286; 1859, 294; 1864, 300; 1865, 18; 1867, 411; 1870, 273; 1871, 367, 405; 1872, 495, 507.
tables of value and yield of, 1862, 588; 1863, 582, 584, 599; 1876, 91, 99.
textile and forage, 1857, 294; 1858, 308.
the corn, of Europe, 1845, 1055.
most largely exported, 1849, 14.
to ascertain what soil requires to produce, 1861, 580.
treatise on, 1868, 556; 1870, 531.
value of, in the cotton States, 1874, 217.
per acre, 1876, 103, 104.
volunteer wheat, in California, 1872, 440.
Crossbill,
the red and the white winged, 1863, 301.
of the, 1865, 42.
Cross-breed,
meaning of the term, 1855, 181; 1867, 298.
Cross-breeding,
atavism connected with, 1851, 91.
care necessary to prevent cotton from, 1845, 763.
degeneration of plants by, 1867, 300.
distinction between hybridizing and, 1855, 181.
improvements and advantages from, 1838, 57; 1853, 20; 1854, 13; 1861, 121, 458, 461; 1862, 251; 1867, 310.
of common horses with imported, 1855, 38.
the cashmere buck and common goat, 1853, 20; 1857, 63; 1863, 220.
common and wild turkey, 1865, 99.
common merino with common sheep, 1852, 142.
merino with Saxony and coarse-wooled, 1853, 21.
squash, melon, and bean, 1863, 357.
sugar-cane, 1864, 56.
thoroughbred short-horns with native, 1853, 8; 1861, 458.
process of, in grape-vines, 1859, 77; 1862, 200, 219; 1864, 138.
production of new varieties of wheat by, 1855, 181, 182; 1856, 247.
plants cannot be, by their tubers, 1867, 314.
originated by, 1867, 311.

Cross-breeding,
rules to be observed in, 1851, 82; 1854, 4.
sometimes injurious, 1847, 538; 1872, 481.
the Early Rose and White Peachblow, 1871, 248.
with geese, 1862, 370.
strawberries, 1863, 143.
the Caucasian race, 1863, 167.
Saxony, 1853, 21; 1854, 49.
Croton,
sources and properties of the oil, 1870, 173.
Crow,
benefits and injuriousness of, 1863, 284; 1864, 429; 1867, 207.
the common, 1856, 135; 1865, 43.
family of, 1863, 304.
fish, 1856, 137; 1865, 43.
food and habits of, 1864, 354.
Crow-berry,
for Indian food, 1870, 413.
Crowfoot,
bulbous and tall, how to destroy, 1865, 510.
Cubebs,
source and use of the oil of, 1870, 181.
Cuckoo,
American and European, 1865, 37; 1867, 206.
family of the, 1863, 292.
the yellow-billed and the black-billed, 1864, 396.
Cucumber,
desirable varieties, 1854, xxi; 1870, 169; 1871, 140.
enemies of the, and remedies for, 1868, 564; 1870, 74, 84.
experiments with, 1875, 365, 366, 367, 368.
for selecting seed of, 1844, 151.
mode of dwarfing, 1863, 359.
native locallty of, 1859, 333.
of raising and cultivating, 1844, 144; 1845, 973; 1865, 279.
size of, in California, 1851, 5.
uses of varieties of, 1854, 350.
worthlessness of the one-seeded star, 1865, 511.
Cultivation,
benefit of stirring the soil, 1845, 1034.
of different crops for various regions, 1860, 437.
steam, 1861, 315; 1867, 263; 1869, 302.
of the cinchona, 1872, 169.
Cultivator,
history of the, 1870, 397.
Howe's expanding, 1866, 248.
improvements in the, 1846, 18; 1848, 66; 1870, 398; 1871, 214.
Smith's (of Wolston), 1859, 254.
steam, 1859, 256; 1869, 310.
the sulky, 1874, 292.
two-horse, 1863, 424.
use of, during growth of crop, 1862, 419.
Cundurango,
analysis and qualities of, 1871, 98.
origin of, with drawing of the plant, 1872, 168.
Curculio,
Dr. Hall's new catcher, 1872, 451.
habits of the, in seeking its food, 1870, 442.
indigenous species, 1861, 606.
injurious to plants and crops, 1863, 573.
insect killing the larvæ of, 1871, 375.
in Tennessee and other States, 1874, 125.
Mr. Riley's experiments, 1871, 374.
preventive of, on plum trees, 1876, 405, 411.
remedies for, 1850, 97; 1854, 307; 1855, 301; 1861, 605; 1863, 570; 1869, 534; 1870, 69; 1871, 70, 77, 374, 375; 1873, 430; 1874, 272.
various kinds of, 1865, 90; 1867, 72, 73; 1870, 68, 70.
Currant,
cultivation of, in different localities, 1854, 310; 1855, 312; 1856, 342, 353, 357, 385, 400; 1861, 542.
geographical distribution of, 1859, 346

Currant,
history and varieties of, 1853, 322, 323; 1863, 352.
how to make wine from, 1850, 222; 1853, 300.
interrogations on, 1858, 50.
manuring and pruning, 1850, 100.
mode of destroying and habits of worm, 1870, 77.
of the Zante, 1855, xx; 1856, 445.
preservation of, 1862, 486.
sparrows do not protect, from worm, 1869, 418.
the wild and the Missouri, 1870, 414.
unprofitable at the South, 1858, 382.
wild, of Nebraska, Kansas, and Utah, 1865, 209; 1868, 118.
Custard-apple,
cultivation of, in Florida, 1867, 143.
Cutter,
fodder, revolving and straight knife, 1866, 279, 281.
improvement in hay and root, 1872, 290, 291.
operation of corn-stock, 1874, 293.
progress in improving straw, 1843, 312.
Cyclamen,
different species of, 1863, 370.
Cypress,
native locality and uses of the bald, 1866, 482.
Dairy,
articles on the, 1845, 983, 995; 1850, 167; 1856, 21; 1870, 310; 1873, 241; 1874, 238; 1875, 408.
breeds of cows for, 1863, 409.
business in New England, 1861, 261.
cheese, 1845, 988.
correspondence on, 1853, 22; 1854, 20; 1855, 27.
districts, 1866, 361, 535; 1871, 175.
factories, net return per cow to patrons of, 1876, 422.
facts about, 1868, 436; 1871, 230.
farms and farming, 1861, 411; 1865, 456; 1869, 434, 439, 440; 1870, 446.
in regard to room, 1869, 363; 1874, 243.
John Johnson's, 1869, 440.
large, establishments in England, 1845, 1002.
management of, 1872, 401.
of foreign, 1856, 23; 1866, 535; 1868, 438.
Practical Husbandry, 1871, 414; 1873, 456.
prices of, articles in different States, 1848, 673.
products of the, 1847, 201; 1848, 169; 1859, 123; 1865, 453; 1874, 239.
profits, 1847, 201; 1868, 489.
report on, 1849, 375.
statistics, 1865, 457; 1871, 174; 1873, 80; 1874, 248; 1875, 414.
stock in Isle of Jersey, 1873, 276.
the best cows for the, 1876, 392, 419, 420, 425.
value of the business, 1872, 298.
various systems, 1856, 23, 33, 36, 39, 41, 44.
Dairying,
American, 1865, 431; 1868, 489; 1869, 352; 1870, 324, 326; 1871, 174, 415; 1873, 241; 243, 418, 454; 1874, 238, 251; 1875, 415.
associated, in Maine, 1876, 381.
English and American, 1866, 358.
in Italy, 1876, 286.
of the factory, 1865, 433, 439, 440. 441.
the future of, 1876, 422.
Dairymen,
American in Switzerland, 1868, 441.
Associations, 1870, 298; 1873, 243; 1874, 248; 1875, 458, 459, 466; 1876, 385, 418, 419, 420, 422.
book notices, 1871, 414, 415.
directions to, 1869, 422.
Swiss, in California, 1871, 231.
Daisy,
flea-bane and ox-eye, 1865, 512, 513.
insect infesting flowers of, 1868, 112.
Dakota,
forests, wood and timber of, 1875, 333.
good lands and *mauvaises terres*, 1869, 606, 607, 608.
lands and rivers of, 1868, 460.

Dam,
directions for a, for irrigation, 1871, 256.
Dammar,
source of resin, 1870, 182.
Dandelion,
for greens and coffee, 1865, 514.
use of, by Indians, 1870, 423.
Date,
of the tree of Palestine, 1860, 33.
palm in Florida, 1867, 145.
uses and varieties of the, 1855, liv; 1859, 339.
Debt,
of the public, 1852, 418; 1864, 593.
Deer,
of the various kinds of, 1851, 109, 112, 118, 119.
Defluxus,
similarity of, to influenza, 1872, 204.
Degeneration,
causes of, in plants, 1867, 314.
Delaware,
census of 1840 and 1850, 1850, 573.
College. (See College.)
dairy products of, 1853, 23.
different kinds of fences of, 1871, 502.
forests, wood and timber of, 1875, 260.
fruit canning in, 1873, 280.
laws of, 1863, 461; 1864, 444; 1871, 221.
live stock of, 1853, 5; 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
of peaches in, 1871, 143; 1872, 441.
remarks on crops of, 1845, 419; 1847, 370; 1848, 461; 1849, 115; 1851, 262; 1852, 108; 1853, 104, 129, 213; 1855, 170, 192, 202.
renovating worn-out lands of, 1848, 462.
statistics of lands and animals, 1851, 494.
strawberries from, 1872, 440.
tables of crops of. (See Crop.)
Delphax,
carinata, 1876, 27.
Denmark,
population, areas, productions, etc., in, 1876, 255–269.
Deodar,
description and uses of, 1855, lxi, lxii.
Deodorization,
of vaults, article on the, 1856, 198.
Deodorizers,
substances used for, 1855, 141; 1856, 199.
Department of Agriculture,
act to establish, and objects of, 1862, 3, 20,
appropriations, expenditures, and operations of, 1862, 21; 1863, 10, 14; 1864, 10, 14; 1865, 5, 10; 1866, 8, 15; 1867, xiii, xix, 13, 14; 1868, 7, 14; 1869, 14, 19; 1870, 9, 15; 1871, 5, 11; 1872, 4, 7; 1873, 7, 13; 1874, 7, 14; 1875, 9, 18.
co-operating with agricultural colleges, 1871, 3; 1872, 4.
description of building and grounds, 1868, 191.
importance of, 1866, 527; 1872, 3.
improvement of the grounds, 1869, 18; 1870, 12; 1873, 9.
objects of experimental garden, 1862, 541.
of the arboretum, 1868, 11, 122, 193; 1869, 91; 1870, 16.
experimental farm, 1865, 5.
new conservatory building, 1868, 192; 1870, 13, 17.
property received from Patent-Office, 1862, 22.
report of the architect, 1868, 15.
system of crop reporting, 1874, 18.
Desert,
Great American, 1861, 154; 1869, 617.
soil of Colorado, 1869, 624.
Deterioration,
of plants and to prevent, 1854, 228; 1867, 314; 1868, 226; 1869, 215; 1873, 211.
Dew,
action of, on vegetables, 1869, 128, 129, 130.
cause of, and hoar frost, 1858, 454, 455.

Dewberry,
American and English, 1865, 511.
as Indian food, 1870, 415.
Diedrocephala,
quadrivittata, 1876, 33.
Diarrhea,
sewage and water, cause of, 1871, 473.
Digger,
potato, patented, 1869, 325; 1870, 402; 1871, 216.
with engravings, 1866, 255, 256.
Dike,
and drainage in Netherlands, 1866, 530.
Dill,
uses of, 1854, 352; 1870, 179, 405.
Disease,
cattle, 1860, 239; 1876, 105.
grape-rot, *pourridie,* 1870, 87.
navicular, and treatment, 1870, 367.
of farm stock, 1863, 240; 1868, 37, 41; 1869, 13, 38, 40, 42, 43, 386; 1870, 10, 40, 41, 42, 44; 1871, 32; 1872, 31, 277; 1873, 33; 1874, 37, 438; 1875, 33.
hogs, 1876, 107, 468.
preventives of, and remedies for, 1876, 109.
sheep, 1876, 109, 417.
of the horse's foot, 1870, 357; 1872, 439.
onion, 1869, 224.
potato, 1847, 142, 351; 1848, 563, 564.
silk-worm, 1868, 294, 301.
report on fungoid, of plants, 1871, 110.
transmission of, in breeding, 1862, 228.
Trichina spiralis, 1869, 390.
Disinfectant,
article on, 1860, 110.
roasted coffee as a, 1872, 453.
District of Columbia,
laws of, 1864, 446; 1871, 226.
tabular estimate of crops of. (See Crop.)
Ditch,
irrigating, 1871, 258, 269.
of excavating and finishing, 1870, 589, 591, 592, 596, 597, 599.
the size and laying out of, 1870, 586.
Ditcher,
description of, with engraving, 1844, 456; 1866, 239.
metallic shoes and steel pick, 1870, 590, 591.
the steam, 1874, 283, 285.
Ditching,
machines and implements for, 1845, 69; 1866, 238; 1870, 589, 591, 593, 594, 599.
mode of fencing and, 1842, 93; 1852, 300.
Division,
(See *Report and Department.*)
Dodder,
description, habits, and injuries of, 1863, 116; 1865, 516.
Dock,
curled or sour and bitter, 1865, 517.
seeds of the Colorado, used for bread, 1870, 422.
Dogs,
depredations by, 1866, 78; 1868, 42.
disadvantages of keeping, 1863, 451, 453, 455.
hybridizing with wolf, 1863, 181.
increase of, in Iowa, 1872, 476.
laws, 1863, 450, 456; 1864, 172.
ravages of, 1862, 270, 271.
the prairie, 1856, 81.
Dogwood,
beauty of the flowering, 1868, 203.
Domain,
the public, of the United States, 1868, 454-471.
Donation,
to agricultural division of the Patent Office, 1861, 634.
the Museum of the Department of Agriculture, 1862, 615; 1863, 561; 1864, 662; 1865, 36, 570; 1866, 10; 1867, 470; 1868, 10; 1869, 636; 1870, 673; 1871, 513; 1872, 512; 1873, 477; 1874, 452.

Door,
mode of hanging sliding, 1844, 501.
Dooraëshshamy,
native locality and uses of, 1859, 20.
Dorthesia,
cataphracta, 1876, 45.
Drain,
cheap, 1863, 434, 435.
details in making, 1870, 595, 598, 600.
plan of sink, 1871, 494.
to excavate large open, 1870, 594.
Drainage,
and dikes of The Netherlands, 1866, 530.
article on, 1856, 160, 167–180; 1858, 273–280; 1860, 99, 100.
benefits and profits of, 1868, 485, 498, 511, 564; 1869, 450, 511.
for fruit-trees, 1869, 446.
interrogatories on, 1858, 20.
loss of fertilizing elements by, 1871, 252.
of Haarlem Lake, with suggestions, 1855, 122.
Draining,
advantage of deep, 1860, 100; 1867, 2.
direction of, in slopes, 1856, 177, 180; 1870, 588.
effect on health of defective, 1855, 134.
for swamps and marshes, 1869, 491; 1870, 587.
Haarlem Lake, 1866, 532.
importance of, 1845, 351.
improving land by, 1858, 275, 276; 1871, 363.
methods of, 1848, 364; 1852, 77.
profits of, 1871, 366, 371, 383, 417, 424.
treatise on, 1868, 584.
Drill,
Beckwith's roller, with engraving, 1866, 257.
broadcast sowers and seed, 1863, 428; 1866, 262.
for rocks, 1847, 73.
history and qualities of, 1870, 400; 1874, 64, 287.
Dromedary,
Bactrian camel and the, 1853, 63, 66.
capacity of the, 1853, 62, 63, 65.
of the plains, history and habits, 1853, 62.
Drought,
of resisting and escaping the effects of, 1871, 252, 381.
three methods of avoiding, 1854, 432.
Drug,
imports and exports of, 1858, 227.
Duck,
description of the Mallard, and others, 1862, 364, 365.
interrogatories on, 1858, 87.
raising, 1870, 537; 1872, 443.
species of, exhibited at the Paris exposition, 1865, 100.
Dundee,
Scotland, manufacture of jute in, 1876, 291.
Duty,
customs in Canada, 1842, 101; 1843, 201.
Dye,
from the cotton-stainer or red-bug, 1858, 272.
new Canadian, resembling cochineal, 1861, 331.
safflower, or saffron, 1842, 36.
the roots of madder, 1865, 339.
Eagle,
classification of, 1833, 278; 1864, 392.
injuries of, to farmers, 1865, 37.
the white-headed, or bald, 1856, 114; 1863, 291.
Earth,
as a disinfectant, 1860, 110; 1871, 478, 487, 489, 490; 1874, 436.
meteorology of the, 1857, 455, 458, 461, 465, 485; 1870, 45, 146, 147.
sun on the temperature of, below the surface, 1864, 336.
Earwig,
description and habits of, 1862, 372; 1868, 308; 1874, 129, 130.
habits of, and remedies for, 1862, 372; 1864, 544; 1874, 131.
Ecuador,
exports of, and our commerce with, 1876, 280.

Editor,
report of J. R. Dodge, 1868, 190; 1869, 157; 1870, 153; 1871, 123.
Education,
among farmers, 1871, 370; 1873, 461.
article on, 1849, 6; 1851, 19, 31; 1858, 1; 1866, 441–454; 1869, 452; 1870, 467; 1871, 306, 336; 1872, 348; 1873, 321; 1874, 312; 1875, 469.
at Wurtemburg, 1850, 147.
demand for practical, 1865, 138.
industrial, for women, 1866, 441, 445; 1871, 336, 344.
in Germany, 1869, 450.
Virginia 1864, 39.
kind of agricultural, needed, 1867, 344; 1868, 131.
of farmers in England, 1860, 143.
President White's view of, 1870, 493.
progress of industrial, 1876, 326.
report on, 1850, 145; 1868, 127.
statistics of industrial, 1875, 52,
Eel-pout,
or burbot fish, large size of, in Alaska, 1870, 387.
Eggs,
changes in the substance of, 1861, 328.
effect of cooling brooded, 1870, 611.
experiment in production of, 1873, 282,
hawks and owls, 1864, 386.
in France and Great Britain, 1843, 111; 1869, 630.
packing, receipts and storing in New York, 1873, 281; 1874, 273.
preservation of, 1842, 37; 1843, 111; 1862, 487; 1869, 630.
raising for market, 1862, 345.
statement of George P. Norris, 1855, 63.
statistics of, 1853, 74; 1872, 444; 1873, 281; 1874, 273.
tables of the weights of, 1869, 631.
trade, 1873, 282; 1874, 274.
Egg-plant,
cultivation of, in New Jersey, 1865, 269.
nativity, locality, and distribution of, 1859, 357.
varieties, 1854, xxii, 352; 1859, 18.
Eland,
description, habits, and flesh of, 1859, 212.
Elder,
growth and vitality of the common, 1865, 512.
Elecampane,
locality and properties of, 1854, 352.
Electricity,
action on rainfall, 1871, 354, 374.
article on, 1844, 368; 1854, 449–475; 1859, 461–505.
for illuminating streets, 1843, 10.
formation of hail by, 1855, 355.
influence of rods, 1859, 516.
internal, of vegetables, 1869, 149.
mechanical effects of, 1855, 352.
on the growth of plants, 1845, 354; 1869, 152.
Elemi,
the Indian, the Mexican, and Eastern, 1870, 186, 190.
Elevator,
Hick's hay, 1866, 268.
Elk,
American, 1851, 116, 459.
domestication of American and European, 1858, 235–239.
Ellsworth, Henry L.,
letters of, 1838, 57; 1845, 380.
reports of, 1837, 1; 1838, 1; 1839, 1; 1840, 1; 1841, 1; 1842, 1; 1843, 1; 1844, 1.
Elm,
American and English, 1868, 198, 201, 202; 1872, 165.
insects injurious to foliage and wood of, 1868, 108.
remedies for beetle, 1867, 62; 1870, 73.
uses of the rock, 1866, 481.
Emigration,
Irish, in 1872, 1873, 286.
Enchenopa,
binotata, 1876, 28.

Endive,
origin and distribution of, 1859, 353.
uses and varieties, 1854, 352.
Energy,
principles of mechanical, 1857, 449.
Engine,
electro-magnetic, 1843, 316.
steam and gas, 1843, 272; 1844, 482; 1845, 60; 1846, 83; 1847, 68; 1848, 40.
traction, 1843, 316; 1859, 253.
turning and planing, 1843, 258.
Ensilage,
origin and methods of, 1875, 398, 399, 407.
Engineering,
civil and architecture, 1843, 287; 1844, 489; 1845, 67; 1846, 93; 1847, 72; 1848, 45.
England,
exports of fresh beef to, 1876, 320.
Enslenia,
habits and worthlessness of, 1865, 516.
Entomologist,
reports of, 1863, 561; 1864, 540; 1865, 33, 88; 1866, 27; 1867, 58; 1869, 60; 1870, 65; 1871, 69; 1872, 112; 1873, 152; 1874, 122; 1875, 114; 1876, 17.
Entomology,
articles on, 1861, 585; 1862, 372; 1868, 305.
objects of the museum of, 1873, 9.
Entilia,
carinata and *concava*, 1876, 29.
Entozoön,
in the human body, 1869, 390.
pear and in vinegar, 1871, 118.
mode of destroying, 1871, 119.
Epie,
or Mowha oil, 1870, 177.
Ermine,
American, or white weasel, 1857, 104, 105.
Espalier,
influence of color of walls on, 1870, 139.
Esparcet,
cultivation of, by the Department, 1865, 30.
light soil suited to, 1866, 10.
Esparto,
article on the grass, 1868, 260–267.
origin and uses of, 1863, 109.
seeds and cultivation by Department, 1870, 21.
Ether,
formation of different kinds, in wine, 1860, 344.
Eucalyptol,
composition of, 1876, 86.
Eucalyptus,
globulus, 1876, 65.
in California, 1870, 22; 1873, 376; 1874, 273, 425.
medical qualities of, 1871, 103.
suited to dry climates, 1870, 22.
unfit for Western plains, 1871, 233.
value of the leaves of the, 1876, 82.
Euphorbium.
source, uses, and collecting of, 1870, 191.
Europe,
production of cereals in, 1876, 262.
shipment of fresh meat to, 1876, 312.
statistics of the countries of, 1876, 259–270.
Evaporator,
sirup and sap, 1862, 399; 1864, 74.
steam and clarifier, 1848, 314.
Youngman's, and refiner, 1866, 287.
Evergreen,
book notice, 1868, 579.
Chinese, 1868, 204.
directions for planting, 1873, 440.
Ewbank, Thomas,
circulars of, 1849, 83; 1851, 129.
reports of, 1849, 5; 1850, 1; 1851, 1.

Exchange,
agricultural, foreign, by the department, 1868, 4, 530–540; 1869, 12, 256.
Excrement,
analysis, of, 1872, 149.
Exhibition,
agricultural, at Hamburg, 1863, 19–23.
entomological, in Paris, 1865, 88.
good results of agricultural, 1873, 468.
international, of 1862 in England, 1862, 27–37.
Expenditures,
of the Department, 1876, 15.
Experiment,
European, in feeding cattle, 1876, 368,
farm, 1867, 187; 1868, 412, 418; 1869, 267; 1870, 452; 1871, 238; 1872, 454, 482; 1873, 289, 295; 1874, 255; 1875, 502.
feeding, for beef, 1874, 248; 1876, 303.
in improving soils by mechanical means, 1876, 431.
miscellaneous, 1869, 291, 294, 295; 1871, 252.
New Jersey Agricultural College, 1870, 454.
of corn-growing in Massachusetts, 1876, 391.
on permanent pasture, 1874, 262.
Pennsylvania Agricultural College, 1872, 378.
results of, in pig feeding, 1876, 398.
shallow and deep plowing, 1874, 258.
with department seeds, 1868, 405; 1869, 242; 1870, 155; 1871, 125; 1872, 407; 1873, 210; 1874, 179.
manures, 1867, 184; 1869, 273, 279; 1873, 300–307, 309; 1874, 255, 257.
milk of different breeds of cows, 1876, 424.
plant food, 1876, 389.
Exploration,
botanical, 1869, 16, 93.
Export,
amount of corn and wheat, from 1821 to 1855, 1855, 157.
and imports from British America, 1873, 72.
of foreign States, 1873, 141.
New York, 1864, 591.
commercial statistics of, 1854, 476–501; 1855, 395–472; 1856, 497–524.
comparison of, and imports, 1842, 47.
from Calcutta to United States, 1849, 572; 1874, 302.
Ecuador, 1876, 280.
the United Kingdom, 1845, 1077.
in the year 1851, 1851, 553; 1852, 430.
1852, 1852, 430.
miscellaneous, 1850, 531; 1851, 553.
of agricultural products, 1838, 57; 1864, 598; 1868, 52; 1872, 56; 1873, 11, 48, 84, 89; 1875, 99; 1876, 162–177.
bread stuffs, 1874, 73, 74; 1875, 42, 59.
cattle and their products, 1853, 4.
cheese, 1873, 455; 1874, 247.
cotton manufactures, 1845, 779.
Denmark in 1862, 1864, 497.
flour and grain from San Francisco, 1876, 205.
gold and silver, San Francisco, 1863, 609.
products from 1826 to 1862, 1862, 599.
Russia, 1857 to 1862, 1864, 499.
tobacco, 1874, 59.
table of, and imports and tonnage, 1851, 518.
tables of the, products, 1848, 731; 1849, 502; 1863, 608, 613, 614; 1865, 80; 1866, 94; 1867, 127; 1868, 47; 1869, 54; 1872, 54.
to Great Britain and Ireland, 1848, 715.
South American States, 1876, 271–279.
wheat, from California, 1874, 422.
Exposition,
agriculture in the, 1871, 299, 301.
Congress in reference to Paris, of 1867, 1871, 295, 296.
first international, by Napoleon I, 1871, 291.
review of, in different countries, 1871, 292.
Eyebright,
of causing salivation of horses, 1865, 517.
or Indian tobacco for asthma, 1865, 515.

Fabric,
fibrous and textile, 1843, 259; 1844, 476; 1845, 53; 1846, 63; 1847, 60; 1848, 32; 1865, 95.
Facts,
current, in agriculture, 1868, 435; 1869, 428; 1870, 438; 1871, 228; 1872, 433; 1873, 272; 1874, 265; 1875, 502.
Factory,
butter, 1867, 237.
canning, 1874, 279,
cheese in Oswego county, N. Y., 1873, 457.
dairying, 1865, 433, 439, 440, 447; 1869, 352.
linen, 1874, 299.
potato starch, 1872, 446.
prize design for a butter and cheese, 1870, 325.
selecting site for cheese, 1865, 441.
the first incorporated woolen, 1871, 402.
woolen in Wisconsin, 1872, 506.
Fair,
first establishment of agricultural, in the United States, 1866, 516.
first national agricultural, at Georgetown, 1859, 23.
value of the State, of Wisconsin, 1873, 468.
Falcon,
family of, 1863, 278; 1864, 390; 1865, 37.
Farina,
or potato flour, 1875, 390, 391.
Farm
advantage of small, 1874, 389.
American cattle, 1869, 433.
animals in European States, 1876, 268, 269.
number and condition of, 1876, 104.
receipts of, at different cities, 1876, 210–223.
book notices, 1868, 559, 583; 1869, 495, 499; 1872, 400.
capital in English, 1860, 150.
cattle in South America, 1865, 489.
change in value in different States, 1867, 102.
diagram showing proportion of, to forest, 1872, 47.
experiments. (See Experiments).
extent of lands in New England, 1874, 188.
Friends in North Carolina, 1873, 285.
hands in Italy, wages of, 1876, 285.
implements and machinery of, 1862, 410.
in the cotton States, changes in size and number, 1876, 128, 129.
lands in Italy, 1876, 285.
large dairy, in Missouri, 1869, 439.
management, 1867, 335; 1869, 433; 1870, 447, 448; 1872, 437; 1873, 276.
Michigan premium, 1868, 497.
model, at Hohenheim, Germany, 1865, 163.
buildings, 1867, 283.
in Ireland, 1873, 285.
Mr. Tillotson's, of New Hampshire, 1873, 277.
number and size of, in the several States, 1865, 3; 1871, 56.
paying for, in one year, 1869, 450,
prices of, productions, 1869, 51; 1871, 58; 1874, 121.
products of a New Hampshire, 1869, 434.
profitable Iowa milk, 1871, 230.
profits, 1868, 479, 489.
railroads on the value of, 1862, 554.
statistics of Great Britain, 1873, 145.
suggestions in selecting, 1871, 416.
system of, accounts, 1865, 502.
table showing increase of valuation of, 1869, 10.
values of, 1873, 62.
the Birdwell, Chico, California, 1873, 277.
experimental, of the department, 1866, 9; 1867, xvi, 19.
Zadock Pratt's, illustrated, 1861, 412, 427; 1865, 457.
Farmer,
advice to young, 1871, 416.
American, 1849, 22; 1863, 520.
book notices, 1868, 560; 1871, 423.
boys 1863, 307, 308, 312.

Farmer,
coöperation and understanding among, 1876, 430.
education of, 1867, 243; 1869, 6; 1871, 370.
English, 1860, 143; 1865, 154.
garden, 1863, 337.
health and hygiene of, and family, 1862, 453, 469; 1870, 487.
high rank of, in Japan, 1873, 366.
history of the Elmira, club, 1874, 275.
houses of, 1863, 313; 1867, 241.
national convention of, 1845, 1169.
number of, in the United States, 1873, 74.
protective association, 1872, 446; 1873, 395.
studies needful for, 1862, 18; 1869, 6.
tool-shops and politics, 1867, 241, 243.
Farming,
advantages of capital in, 1869, 435.
a mechanic's experience in, 1874, 276.
among the Sioux Indians, 1849, 451.
book notices, 1869, 494; 1871, 414, 419.
dairy, 1865, 456.
does "book," pay? 1867, 239.
high, (an article), 1866, 527.
how to avoid the drudgery of, 1871, 390.
improved modes of, in New Hampshire, 1876, 412.
in New England, 1861, 251; 1870, 255, 259, 260, 263, 266; 1872, 437; 1874, 187, 189, 191, 199, 200, 202, 203, 214; 1876, 383.
in the pampas of South America, 1864, 223; 1865, 486.
various States, 1872, 437, 448, 490; 1873, 277, 286.
modern American, 1874, 280.
population in Italy, diet and dress of, 1876, 285.
proposed improvement in prairie, 1858, 283.
value of improved, 1860, 84.
views of T. S. Gold on, 1874, 210.
Feces,
analysis and value of, 1855, 139; 1871, 477, 478.
Fecundation,
artificial, 1866, 396, 397.
new varieties of wheat by cross, 1856, 247.
of fish, 1859, 223; 1866, 396; 1868, 344; 1872, 259.
plants, 1867, 296.
Feed,
cooked and uncooked, 1873, 290, 415.
corn the cheapest, for sheep, 1862, 295.
for horses, 1844, 391; 1873, 276.
refuse of menhaden, for sheep and poultry, 1876, 379.
the best, for producing butter, cheese, and milk, 1876, 364, 365, 369.
value of coarse and of green, 1876, 369.
Feeding,
cabbages and turnips to cows, 1869, 441.
cattle, 1845, 330; 1867, 212, 215; 1874, 248.
corn to sheep, 1862, 296.
European experiments in cattle, 1876, 368.
for butter and cheese, 1874, 265.
hogs with ear-corn or meal, 1872, 460.
of *ad libitum*, 1876, 370.
pigs, 1870, 465.
statistics, 1860, 125.
stock, 1868, 427; 1871, 249.
theory and practice of, 1876, 382.
Felting,
process of, and machinery for, 1843, 261; 1845, 57.
Fence,
and hedges, 1869, 172.
herding in prairie districts, 1859, 442.
board, 1859, 447.
cost of, 1855, 316; 1859, 447; 1867, 240; 1868, 246; 1871, 498, 508, 509; 1872, 510.
farm gates and, 1869, 332.
in Maine, 1868, 476.
hedge and ditch, 1868, 258.
in different States, 1871, 499, 507, 508.

Fence,
laws, 1869, 394.
live, 1854, 393; 1855, 315; 1856, 451; 1873, 439 461.
made with trees and ditches, 1844, 455.
osage orange, 1851, 383, 445; 1855, 316.
patent flood, 1848, 55.
posts, 1844, 457, 458.
questions on, 1871, 498.
statistics, 1871, 497.
wire, 1850, 432.
Fencing,
and ditching, mode and cost of, 1842, 93, 94.
Fennel,
uses of, and properties of oil, 1854, 353; 1870, 179.
Fertilizer,
analysis of, 1871, 228; 1872, 138, 435; 1873, 170; 1874, 432.
animal and fish, 1874, 266, 268.
article on, 1849, 300; 1854, 90, 102, 108; 1855, 129; 1856, 182; 1859, 136; 1860, 34; 1868, 367, 396, 430; 1869, 428, 431, 548; 1872, 433; 1873, 272.
artificial, 1870, 441; 1871, 356, 381, 425; 1872, 303, 434, 435.
compared, 1869, 267, 269, 287.
correspondence on, 1853, 79; 1854, 112; 1855, 151.
discussion on the use of, 1868, 477.
effects of, on different crops, 1875, 502.
experiments with, 1868, 430, 431, 446; 1869, 291; 1872, 436; 1873, 226, 228, 294, 307.
extensive use of, by the Japanese, 1873, 374.
Falmouth manufactory of, 1873, 273.
for beets on poor soil, 1876, 56.
cotton, 1871, 242. 245; 1876, 122.
determining the value of, 1874, 431.
the sugar-beet, 1872, 457; 1873, 307.
home-made, on corn, 1869, 269; 1873, 306.
interrogatories on, 1858, 20.
lime and mineral, 1867, 190; 1868, 367, 370, 371, 372, 374, 376, 379, 382, 383, 385, 386.
machines for sowing, 1866, 259.
manufactured at the South, 1870, 438.
menhaden for a, 1876, 379, 387.
natural, 1869, 74.
on wheat, 1870, 453; 1873, 226.
salt from sea-water as a, 1868, 404.
sampling, 1875, 512,
sea-weed as a, 1872, 436.
shipments from Chicago, 1870, 438.
the use of marsh-muck for a, 1876, 407.
valuable garden, 1868, 564.
water a vehicle for, 1871, 264.
Fenugreek,
native locality and seed of, 1870, 199.
Fermentation,
alcoholic and vinous, 1864, 514, 519.
butyric acid, 1864, 528.
cause of, in wine, 1871, 115.
different fungi causes of different kind of, 1864, 522.
directions for regulating, in wine, 1866, 121.
modes of arresting, 1864, 531.
viscous, or slimy, and lactic, 1864, 524, 525.
Fever,
intestinal, in swine, 1875, 426.
in the feet, or founder, in horses, 1870, 368.
milk, and splenic or Spanish, 1869, 39; 1872, 33, 34.
of the typhoid, 1871, 468, 470, 471, 472.
prevalence of Texas, in various localities, 1872, 34; 1874, 37.
prevention of the milk, 1871, 387.
Spanish cattle, 1866, 73; 1868, 38; 1870, 40, 506.
Fiber,
importation and manufacture of, in 1873, 1874, 299.
jute, withdrawing of the plant, 1872, 167.
new, 1867, 11; 1870, 619.
of cotton, 1853, 181; 1854, 181.

Fiber,
preparation of, 1843, 260; 1844, 476.
structure and properties of vegetable, 1859, 372, 390.
table of production of, in several States, 1873, 68.
textile, of the Pacific States, 1864, 471-487.
Fibrin,
analysis of, 1865, 411.
Fibrous,
plants, fabrics, and machinery for, 1848, 32; 1869, 266.
Field,
large wheat, 1872, 440; 1873, 278.
Fig,
culture of, in the United States, 1873, 430; 1874, 451.
in Morocco, 1862, 501.
Sicily, 1859, 114, 119, 129.
interrogations on, 1858, 56.
in the Southern States, 1847, 390; 1848, 516; 1854, 280; 1858, 384; 1873, 280.
mode of striking cuttings of, 1854, 320.
native locality of, 1859, 331.
the sycamore, 1859, 14.
value of, for food, 1854, xxix.
wax, source and use of, 1870, 205.
Filbert,
in Pennsylvania and Virginia, 1855, 312; 1856, 450.
the English, with purple foliage, 1868, 202.
File,
improvement in cutting, 1846, 49; 1847, 56.
Filum,
Virginus in sheep, 1847, 285.
Finch,
classification of, 1863, 282.
food of, 1863, 284, 301; 1865, 42.
of the purple, 1864, 354, 420.
the gold, grass, sharp-tailed, and sea-side, 1864, 421, 422.
Finland,
statistics of population, production, animals, etc., 1876, 255–270.
Fir,
value of the spruce for shelter-belts, 1872, 165.
Fire-arms,
and implements of war, 1843, 305; 1844, 506; 1845, 80; 1846, 77; 1847, 81; 1848, 41.
Fire-place,
improvements in, 1844, 514.
Fish,
artificial ice in packing, 1870, 613.
bed of the Charleston Basin, 1868, 75.
book-notice, 1868, 590.
breeding, 1859, 217–238; 1860, 303, 310; 1862, 55; 1866, 396, 400, 401, 403; 1868, 319–332; 1869, 424, 451; 1870, 542; 1872, 248–274, 450; 1874, 415, 418.
causes for the diminution of, 1859, 218; 1874, 443.
chum for sheep and poultry, 1870, 451.
culture in Wisconsin, 1876, 430.
fresh-water, 1866, 403, 405, 406, 409, 410, 411, 413, 414, 415.
imports and exports of, 1858, 223; 1873, 74.
in first and second hands, 1874, 279.
interrogations on, 1858, 87.
killed by lightning, 1855, 336.
law proposed to protect, 1874, 444.
mode of preserving, 1862, 488.
of the gourami, 1866, 417, 419.
restocking of New England streams, 1868, 590.
the food of Alaska, 1870, 375–392.
practical Fish Culturists' Association, 1873, 450–453.
use of, for manuring corn, 1872, 279.
utilizing offal, 1870, 618.
Fisher,
or black cat, 1858, 241, 242.
Fishery,
Alaska and the Pacific coast, 1870, 375, 380.
book-notices, 1868, 592; 1874, 443.
commissioners in the several States, 1868, 324; 1869, 520.

Fishery,
Long Island and New England, 1870, 440; 1873, 289.
on the coast of Maine, of menhaden and herring, 1876, 379.
salmon, of Oregon, 1869, 600.
statistics, 1852, 429.
whale, 1849, 514, 515; 1850, 553.
Flag,
cat-tail, as bread by Indian, 1870, 408.
Flax,
analysis of, 1847, 165; 1848, 148.
and cotton, 1862, 113–123.
hemp, 1843, 262, 263; 1848, 33; 1853, 199; 1855, 238; 1864, 476; 1868, 526; 1869, 57.
article on, 1845, 702, 703, 729; 1847, 425; 1852, 328; 1853, 199; 1855, 238; 1861, 30, 43; 1862, 113–123; 1863, 102; 1864, 92.
cotton, process of making, 1861, 93.
culture of, 1845, 734; 1847, 425; 1852, 328; 1853, 203; 1854, 186; 1861, 43–78, 83; 1863, 104, 110, 115; 1864, 92; 1872, 472; 1873, 373; 1874, 298, 438.
exports and imports, 1853, 202; 1858, 230; 1863, 114.
false, or gold of pleasure, 1863, 116.
grand red-flowered, 1859, 19.
history, production, and commerce of, 1861, 30–41.
importation of, seed from the Indies, 1838, 58.
in Sicily, 1859, 121.
interrogations on, 1858, 65.
in the United Kingdom, 1861, 43–78.
machinery for manufacturing, 1861, 112.
manufacture of, 1845, 734, 738; 1855, 239; 1858, 230; 1861, 83; 1862, 406, 410; 1863, 13; 1874, 299.
method of rotting, 1845, 702.
new species of, 1843, 70.
New York Farmers' Club on, 1845, 726.
New Zealand, 1847, 166; 1862, 113; 1865, 34; 1870, 20; 1871, 5.
oil from, 1843, 110; 1872, 451.
productions of, and of seed, 1870, 497.
profit of, 1853, 203.
remarks on crops, 1841, 73; 1842, 20; 1843, 69; 1844, 95; 1845, 262; 1847, 164; 1848, 147; 1853, 203; 1869, 57.
tabular estimate of crops. (See Crop.)
toad, or ranstead-weed, 1865, 515.
where grown, 1844, 100, 279; 1845, 262.
wild, and how to destroy, 1865, 510.
Flea,
remedies for, 1864, 563; 1872, 135.
Fleece,
Cotswold and Leicester for long wool, 1870, 512.
packing, for market, 1868, 502.
weights of, 1862, 311; 1866, 342.
Floriculture,
relating to house plants, 1863, 366; 1868, 578.
Florida,
acceptance of land scrip by, 1871, 310.
agricultural college of. (See College.)
articles on, 1861, 402; 1862, 59; 1867, 140; 1871, 160.
book notice, 1874, 445.
farm animals in, 1876, 112.
forest wood and timber of, 1875, 276.
fruit-growing in, 1871, 154.
Guinea grass in, 1873, 240.
laws of weights and measures, 1871, 222.
loss of hogs in, 1876, 111.
mineral fertilizers in, 1868, 388.
orange-growing, 1851, 328; 1871, 169.
remarks on crops, 1849, 147; 1851, 325.
statistics, 1851, 494.
table of crops. (See Crops.)
Flour,
analysis of wheat, 1848, 259; 1849, 59, 64.
a new process of manufacturing, 1876, 169.
Colorado, in Boston, 1872, 449.

Flour,
composition of, consumed in France, 1864, 526
domestic trade in, 1876, 177.
English market, 1848, 704.
farina, 1875, 390.
imports and exports, 1858, 226; 1873, 48, 73, 89, 90; 1874, 73, 74, 75, 76; 1875, 59, 63, 77; 1876, 167, 171.
improvement in bolting, 1844, 503.
kiln-dried, 1843, 119, 175; 1845, 388; 1848, 254.
manufacture, 1862, 423; 1875, 388.
movements of, 1876, 164.
nutriment of wheat, 1848, 258; 1849, 55.
Oregon mills, 1874, 277.
per cent. of exports compared with wheat, 1876, 168, 175.
preservation of, 1862, 487.
prices of, 1847, 564; 1848, 786.
qualities of different samples, 1844, 149.
receipts and shipments of, 1876, 206.
tables comparing wheat, 1849, 81.
Flower,
advantages of cultivating, 1863, 363.
article on, 1852, 60; 1862, 155.
book notices, 1870, 533.
directions for preparing border and planting, 1870, 533.
for preserving for bouquets, 1863, 380.
insects infesting or destroying, 1868, 108.
of changing single into double, 1867, 309.
oxide of manganese on the color of, 1860, 51.
ribbon bed, 1861, 319.
the Madeleine, Market of Paris, 1872, 453.
crimson passion, 1863, 368; 1868, 205.
trumpet, 1865, 515; 1868, 203.
Flume,
chute, or aqueduct for irrigation, 1871, 260.
Fly,
and gnats, 1868, 316.
black, ash-gray, and striped potato, 1863, 569; 1866, 34.
cabbage butter, with illustrations, 1870, 78, 530.
chalces, 1869, 207.
crane, 1868, 317; 1872, 128.
dragon, or darning-needle, and water, 1863, 275; 1866, 40; 1868, 309.
fire, or lightning bugs, 1866, 93; 1868, 93; 1873, 154.
grasshoppers destroyed by, 1866, 31.
horse, bee, bot, house, and spider, 1868, 317; 1872, 129, 130.
house, 1872, 131, 132, 135.
May, 1868, 309.
of various kinds, 1864, 545, 549, 561, 562, 563.
onion, 1865, 238; 1869, 224, 226; 1872, 133.
onion, cabbage, radish, and saw, 1867, 73; 1868, 310; 1870, 66; 1872, 134.
sand, 1872, 128.
the apple-maggot, 1867, 72.
blister, 1855, 88; 1866, 34; 1868, 103; 1870, 68; 1871, 76.
gall, 1866, 35; 1868, 310, 317.
green, 1863, 379.
Hessian, 1842, 66; 1844, 161, 164, 434; 1845, 410; 1848, 125; 1849, 133; 1850, 471; 1852, 105, 149, 200, 210, 250, 269; 1854, 72; 1855, 197; 1862, 80; 1872, 121, 125.
the ichneumon, 1854, 84, 89; 1855, 111, 112; 1866, 31, 41.
lace-wing, 1854, 86; 1855, 115; 1866, 40; 1868, 309.
tachina, 1867, 66.
tobacco, 1844, 107; 1866, 30.
turnip, 1860, 136.
wheat or weevil, 1844, 39, 166; 1849, 133; 1852, 149, 200.
wheat or wheat-midge, 1854, 74; 1862, 81, 97; 1872, 126.
Fly-catcher,
benefits of, 1867, 205.
food of the tyrant, great-crested, and pewee, 1865, 39.
the, family, with species, 1863, 294, 295, 301; 1864, 416, 417.
Fodder,
analysis of Southern plants, 1874, 149.

Fodder,
article on, 1845, 447; 1866, 213.
chaffing and cutters, 1866, 279.
compressed, 1860, 84.
corn, 1866, 213, 222; 1869, 295; 1870, 291; 1872, 444.
old method of curing, 1875, 398.
relative value of, 1843, 120; 1870, 299, 300; 1875, 405.
Fog,
banks of Newfoundland, 1858, 458.
formation or cause of, 1858, 457, 458.
Food,
analysis and seasonableness of, 1861, 360, 363, 367.
articles on, 1844, 389; 1845, 1009; 1861, 358.
beet-root pulp for stock, 1870, 214.
chaffed hay, straw, buckwheat, etc., 1860, 129, 130.
concentrated root, 1869, 284.
cost of producing, 1871, 392.
different kinds of, for stock, 1845, 334; 1847, 481.
experiments with, 1868, 428; 1872, 460.
for fattening, 1867, 216.
plants, 1860, 123; 1867, 316.
from grains and seeds, 1865, 423.
ground and cooked, 1851, 205; 1865, 396, 399, 404; 1869, 439.
plants used by man, 1859, 299.
preservation of, 1860, 94; 1862, 470–478.
products of North American Indians, 1870, 404.
ralative value of, 1844, 389; 1847, 540; 1849, 57; 1850, 500; 1861, 358; 1865, 408, 430; 1868, 429; 1870, 445.
steaming, 1844, 391; 1847, 345; 1865, 402; 1867, 216; 1869, 438, 439; 1875, 412.
used by Indians, 1870, 424, 425.
value of milk as, 1874, 396.
winter, 1845, 1009.
Fool,
uses of the, plant, 1859, 20.
Foosduck,
where found and for what cultivated, 1859, 20.
Foot,
and mouth disease in England, 1872, 439.
cause and remedy for rot in sheep, 1872, 488.
the horse's, 1870, 357, 358, 366.
Forage,
and maize, comparative value, 1875, 403.
articles on, 1853, 178; 1854, 174; 1855, xii, xxx; 1856, 252; 1869, 87; 1875, 397.
Force,
laws of, 1857, 422.
vital, 1869, 101, 103.
Forest,
American, destruction of, 1865, 210, 225; 1872, 443.
and timber, 1868, 447.
articles on, 1875, 336, 352.
book notice, 1869, 492; 1873, 315.
cleaning by steam power, 1874, 273.
consumption of, 1865, 213, 215.
cultivation of, 1851, 53, 54; 1852, 213, 239; 1858, 75; 1870, 226, 234; 1871, 349, 378; 1872, 161, 316, 318, 319, 329, 332, 479, 500; 1873, 396, 440; 1874, 395, 413.
effect of, on climate, 1849, 41; 1860; 416; 1869, 492, 516; 1870, 508; 1871, 233.
influences, 1850, 441, 443, 444; 1871, 354, 355, 373; 1872, 325; 1874, 372.
in Nebraska and Colorado, 1871, 378, 409.
laws encouraging, 1875, 334.
of the United States and European countries, 1872, 45, 46, 47, 48; 1875, 245, 247 262, 275.
preservation of, in Japan, 1873, 364.
profit of culture, 1872, 327, 501.
Forester,
remedy for the eight, spotted, 1874, 129.
Forestry,
in India, 1868, 448.
State encouragement of, 1875, 334.
statistics of, 1875, 244.

Fork.
description of a manure, 1869, 327.
harpoon, grappling and combined, 1866, 270–272.
horse hay, 1869, 327; 1872, 289; 1874, 291.
Form,
explanation and production of crystalline, 1857, 434.
Foul brood,
cause and prevention of, 1868, 277, 278.
Founder,
nature and treatment of, 1870, 368.
Fowl,
aquatic, house, 1862, 368.
Asiatic varieties, 1862, 359.
benefit of crossing, 1862, 346.
best age for laying, 1862, 346.
for fattening, 1860, 85; 1862, 353.
interrogations on domestic, 1858, 86.
management and profit of, 1870, 329–345.
of different breeds, 1851, 328; 1862, 360, 361, 363; 1865, 97, 98.
origin of our domestic, 1862, 359; 1865, 97.
the guinea, 1865, 99.
small flocks for successful breeding, 1862, 348.
the pea and aquatic, 1862, 369.
to destroy vermin on, 1869, 424.
France,
statistics of population, productions, animals, &c., 1876, 255–270.
Frankincense,
nativity and description of tree yielding, 1855, lvi.
Freedmen,
land-owners, 1876, 137.
Fresh-meat,
shipment to Europe, 1876, 312–319.
Frijole,
or turtle-soup bean in Mississippi, 1855, 287.
Frittellary,
the great American, and its chrysalis, 1855, 106.
Frost,
action of, on plants, 1870, 125.
article on, 1859, 555; 1861, 146; 1866, 188; 1868, 120.
cause of early, late, dew, and hoar, 1849, 40; 1858, 454.
effect of, on fruit-trees in Kentucky, 1850, 183.
influence of Lake Erie on, 1851, 363.
large bodies of water, 1866, 140.
of moderate elevations, 1866, 189.
on fruit-trees in Alabama, 1871, 156.
protecting fruits from, 1865, 204, 528.
screening and protecting plants from, 1858, 456, 459; 1860, 131; 1862, 152.
Fruit,
analysis of, 1861, 365.
and trees of the Middle States, 1865, 199.
wine, 1854, 226; 1856, 315; 1857, 227.
article on, 1849, 271; 1850, 82–101, 450; 1853, 256; 1854, 226, 235, 237, 240, 244, 246, 254, 258, 261, 266, 275, 277, 280; 1856, 315; 1857, 227; 1858, 370, 375; 1861, 541; 1864, 141, 152–156; 1867, 140; 1869, 442, 446; 1871, 143; 1873, 279.
book notice, 1868, 566; 1874, 445.
cause of, blight, 1851, 403.
canning, 1873, 279, 280.
Chinese, 1850, 450; 1860, 474.
crop of New Hampshire, comparative value of, 1876, 413.
cultivated in different States, 1848, 376, 381; 1849, 170, 445; 1852, 119, 205; 1853, 270, 273; 1861, 254; 1862, 52; 1864, 37; 1866, 151, 153, 164, 183; 1868, 442, 481; 1869, 536; 1870, 441; 1873, 432, 470; 1875, 368.
cultivation of, at the South, 1845, 957; 1871, 143.
in Japan, 1873, 373.
culture, 1861, 541; 1870, 491.
and profit, 1850, 200, 201, 297, 358, 382; 1851, 328; 1873, 429.
department collections of, 1874, 8.
directions for marketing, 1871, 351; 1872, 490.
dried, and drying, 1872, 441, 442.
nuts, and vegetables used by Indians, 1870, 409, 416, 425.

Fruit,
El Paso Valley for the production of, 1859, 40.
gathering, ripening, and keeping, 1864, 152.
growing, in Michigan, 1876, 394, 402, 404.
how the different varieties of, have been produced, 1860, 445.
importance of cultivating, 1867, 243.
imports and exports of, 1858, 231, 340.
improved fruit-gatherers, 1846, 19.
influence of the stock on growth and quality of, 1869, 203.
interrogations on, nuts and wine, 1858, 38.
law for encouragement of, in Nebraska, 1871, 378.
list of, for general cultivation, 1854, 229; 1856, 401; 1858, 422, 425.
manufacture of vinegar from unripe, 1870, 618.
multiplying improved varieties of, 1857, 250.
native, of the far West, 1865, 207.
nativity and uses of the bread, 1859, 315.
new varieties of, in Michigan, 1876, 405.
of Africa, Australia, and America, 1859, 343, 347.
Cabul and vicinity, 1861, 526.
increasing the bearing of trees, 1857, 247.
preserving, 1852, 278; 1870, 612; 1873, 430.
popular varieties of hardy, 1864, 141; 1865, 186; 1866, 131; 1867, 129.
printing on, 1861, 318.
prophylactic and curative qualities of ripe, 1849, 444.
recent facts concerning, 1871, 231, 233, 347; 1872, 440; 1874, 270.
regions of the Northern States, 1866, 137.
reports of State committees, 1852, 32.
shipments from Southern Illinois and California, 1872, 440, 441; 1873, 279.
small garden, 1863, 352; 1868, 510.
synonyms of varieties of, 1874, 448.
the two methods of improving, 1857, 245.
unripe, for food, 1861, 367.
value of, for the table, 1868, 474.
wild, and flowers, of Colorado, 1866, 126.
winter-killing of trees and buds, 1852, 29.
Fumitory,
climbing, as an ornamental plant, 1868, 205.
Fungus,
action of, in potato rot, 1845, 681; 1847, 153; 1848, 564; 1868, 230.
article on, 1849, 391; 1853, 311.
causing different fermentations, 1864, 522.
the black-knot, 1873, 196; 1874, 173; 1875, 206.
Centennial collection of microscopic, 1876, 81.
communication of, to grape-vines, 1871, 110, 116.
dry air on the growth of, 1871, 113, 116; 1872, 188.
edible, 1876, 79.
how to destroy, in potatoes, 1845, 642.
injuring trees and vegetables, 1871, 119, 121; 1872, 188, 198; 1873, 183–200.
insects in, 1868, 109.
in the onion, with remedies, 1869, 224; 1872, 193; 1873, 210.
manner of growth, 1865, 547; 1868, 231; 1869, 391.
microscopic investigations, 1871, 110; 1872, 188; 1873, 183; 1874, 173; 1875, 206.
of the influenza of horses, 1872, 237.
origin of, in yeast, 1864, 529.
Professor McNab on the study of, 1874, 177.
remedies for, 1868, 232; 1871, 113, 115; 1873, 196.
spores of, absorbed by pores of plants, 1844, 437; 1849, 392; 1868, 231.
Fur,
insects destructive to, 1868, 109.
warm climate causes coarseness of, 1874, 233.
Furniture,
improvements in household, 1845, 30; 1846, 33; 1847, 45; 1848, 78.
Furze,
description and uses of, 1854, xxxv.
for fodder and hedges, 1854, 398.
Galbanum,
source and properties of, 1870, 186.
Galem,
source and use of oil, 1870, 177.

Galeruca,
habits and remedy for the twelve-spotted, 1855, 90.
Gall,
Alepo, for coloring and making ink, 1866, 35.
origin and use of, nuts, 1855, lii, liv; 1866, 35.
Gallizing,
of wine, process and inventor, 1867, 158.
Galvanism,
for purifying liquids, 1847, 41.
in blasting rock and preserving leaf impressions, 1843, 318.
on vegetation, 1844, 370.
Gambier,
origin, preparation, and uses of, 1870, 184.
Gamboge,
origin and uses of, 1870, 182.
Gangræna,
supposed cause of the potato disease, 1845, 235.
Garden,
a goverment propagating, at Washington, 1858, 280.
book notices, 1871, 410, 412, 413, 414.
farmers, article on, 1863, 337, 338, 340, 343, 345, 346, 350, 352, 355, 356, 362.
government experimental, 1860, 28; 1868, 11; 1869, 17.
kitchen, 1854, 322-333.
propagating, article on, 1859, 1; 1867, xv, 18.
report of department experimental, 1862, 540.
shipping vegetables, 1869, 447.
vegetables, article on, 1864, 110.
winter, at Kew, England, 1861, 318; 1870, 109; 1871, 102; 1874, 280.
work of the propagating, 1861, 4.
Gardening,
article on, 1854, 322, 389; 1855, 289; 1865, 243; 1869, 159.
book notice, 1868, 563, 565; 1872, 400.
in California,1872, 438.
Florida, 1868, 443.
landscape, 1854, 389; 1859, 132; 1869, 159, 160, 161.
market, 1869, 447.
in vicinity of New York, 1865, 243, 268.
near Boston, 1873, 277,
requisites in successful, 1864, 111.
Garlic,
cultivation and uses of, 1854, 353.
field or crow, in Pennsylvania, 1865, 517.
history and locality of, 1859, 334.
Gas,
and steam engines, 1843, 272.
carbureted spring in West Virginia, 1863, 67.
improvement in the manufacture of, 1843, 173.
influence of illuminating, on plants, 1875, 147.
light from lard, 1843, 172.
lime, chemical composition of, 1856, 223.
property of earth to absorb oxygen, 1870, 145.
qualities of coal-oil, 1862, 446.
waste, value of, for agriculture, 1860, 119.
Gate,
different kinds of, 1871, 507.
entrance, and carriage turns, 1869, 175.
improvements in farm, 1869, 332.
tables of, and bars, and cost of, 1871, 508.
Gauger,
habits of and remedy for the false plum, 1863, 572; 1867, 73.
Generation,
theory of spontaneous, 1864, 530, 531.
Generator,
and steam boilers, 1843, 275; 1844, 483.
Geography,
of plants, 1863, 464.
physical, of the United States, 1856, 477.
Geology,
thickness of rocks on the globe, 1850, 32.

Georgia,
Agricultural Society, 1874, 387; 1875, 439.
agriculture of, 1866, 572, 576, 577; 1871, 153; 1873, 280.
colleges of agriculture, etc. (See College), 1874, 388.
condition and resources of, 1866, 567.
cotton, 1852, 86; 1866, 574.
freedmen of, 1866, 573.
lands of, 1867, 105, 113; 1872, 53, 448; 1875, 271.
live stock, 1866, 67, 578; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
losses of hogs in, 1876, 111.
minerals of, 1866, 579; 1868, 388.
Northern men in, 1866, 580.
North Georgia Agricultural College. (See College.)
observations on crops of, 1848, 499; 1849, 144; 1850, 393; 1851, 318; 1852, 82.
tables of productions of, 1851, 498.
tabular estimate of the crops of. (See Crop.)
time of planting Irish potatoes in, 1848, 501.
wages of labor in, 1848, 502.
weights and measures of, 1871, 222.
Geranium,
directions for cultivating, and varieties of, 1863, 372.
Germination,
camphor a stimulant of, 1874, 278.
light and electricity, 1869, 134, 152.
process of, 1864, 333; 1869, 102.
to prevent potatoes in cellars from, 1871, 236.
Geyser,
of Montana Territory, 1871, 441.
Gimlet,
superiority of, and other American tools, 1843, 255.
Gin,
improvement in the cotton, 1844, 476; 1869, 330.
Ginger,
cultivation of, 1854, 354; 1855, xxiv.
cultivating of, in the Southern States, 1871, 107.
source, properties, and uses of, 1870, 202, 203.
Gingelly,
source, preparation, and use of oil of, 1870, 173.
Gingko,
use of seeds for food, 1860, 475.
variety of, with variegated foliage, 1868, 202.
Gingseng,
in North Carolina, 1872, 452,
the Western States and export to China, 1842, 36.
use of, by Alaska Indians, 1870, 407.
Girdler,
habits and remedies for the twig, 1871, 72; 1873, 153.
Glass,
improvements in coloring and ornamenting, 1843, 322.
Glue,
imports and exports of, 1858, 222.
Glutton,
description and habits of, 1858, 245.
Glycerine,
manufacture and uses of, 1866, 388.
Glycogen,
properties of, 1875, 187.
Glyconin,
composition and use of, 1870, 620.
Gnat,
flies and other insects, how to collect, 1868, 316.
Goat,
Angora, Persian and Cashmere, 1853, 20; 1855, 54; 1863, 222; 1865, 96; 1867, 11.
article on, 1853, 20; 1855, 54, 57; 1863, 216; 1867, 225.
Asiatic, and all other, 1857, 56, 57; 1863, 216.
in the United States, 1857, 60, 65; 1863, 224; 1867, 225; 1869, 538.
as compared with sheep or swine, 1863, 218.
book notice, 1869, 504.
Cashmere, profitable in Indiana, 1867, 353.

Goat,
Cashmere, Thibetian and long-cared Syrian, 1863, 221.
crossing Angora with native, 1867, 225.
hair of, magnified, 1855, 57, 59.
hybridization of, with sheep, 1851, 87.
in Sicily, 1859, 124.
interrogations on, 1858, 83.
manufacture of Angora fleece, 1867, 225, 226, 227, 228.
the Angora in Australia, 1869, 630.
California and Utah, 1872, 438, 439.
Malta, in South Carolina, 1853, 21.
Rocky Mountain, 1851, 120; 1859, 542; 1863, 219; 1867, 218, 219.
wool-bearing, 1863, 220; 1867, 11.
Turkey morocco made from, skins, 1863, 219.
Goatsucker,
family of, with species, 1863, 281, 294.
Golden-rod,
habits and worthlessness of, 1865, 513.
Goldfinch,
benefits and injuries of, 1865, 41. (See Finch).
food, habits, nest, and eggs of, 1863, 301; 1864, 421.
hybridization with the Canary bird, 1863, 181.
Gold-of-pleasure,
fiber and oil, 1851, 51; 1854, xxv; 1870, 181.
to destroy it as a weed, 1865, 510.
Googul,
source and uses of, 1870, 188.
Goose,
article on, 1862, 370, 371.
different species of, 1865, 100.
directions for raising, 1870, 537.
for destroying grass in cotton-fields, 1874, 279.
interrogations on, 1858, 87.
Gooseberry,
article on, 1847, 472; 1853, 322; 1860, 497.
cultivation of, in different States, 1858, 382, 388, 391, 409; 1868, 520.
distribution of, 1859, 346.
for Indian food, 1870, 414.
improved varieties, 1860, 497.
indigenous of Nebraska, 1865, 208.
in the department garden, 1864, 607.
interrogatories on, 1858, 51.
on cultivating the, 1845, 308; 1861, 542.
remedy for the midge, 1872, 127.
report on, in several States, 1856, 357, 386, 396, 400.
soil and remedy for mildew, 1856, 342.
Goosefoot,
or lamb's quarter, as a weed, 1865, 516.
use of, by the Indians, 1870, 419.
Gopher,
how to destroy the, 1863, 269.
the pocket or pouch-rat, 1857, 72, 75.
striped or prairie ground squirrel, 1853, 68–70.
Gouger,
habits and remedy for the plum, 1870, 70.
Gourami,
nativity and attempt to acclimatize, 1866, 417, 419.
Grackle,
the purple or crow blackbird, 1856, 133; 1864, 428.
usefulness of the Indian, 1863, 284.
Grafting,
and budding apple-trees, 1850, 383, 430; 1851, 133, 675; 1852, 131, 213; 1853, 272; 1857, 252.
and budding, article on, 1856, 315–328.
budding and, 1865, 200.
effects of, on different stocks, 1867, 315; 1872, 484.
new method of, 1869, 446.
plum, peach, and apricot on wild plum, 1865, 208.
the citron on the orange-tree, 1867, 153.
grape-vine, 1858, 367.

Grain,
and flour, domestic trade in, 1876, 164, 177, 206.
grass, hints on growing, 1876, 371.
articles on, 1844, 189–192, 346; 1873, 89; 1874, 75; 1875, 59.
bushels raised to population, 1843, 105.
crop in Iowa, 1867, 359.
curing, 1869, 441.
drills, 1870, 400; 1874, 287.
exportations from Russia, 1848, 711.
feeding, 1864, 201; 1867, 215, 347; 1870, 611.
in California, 1866, 585; 1873, 288.
insects injurious to, 1868, 110; 1870, 620.
of harvesting, 1863, 430, 431.
sowing, 1866, 262; 1871, 362.
preservation of, 1872, 440.
produced in the United States, 1847, 545; 1848, 709.
proportion of different kinds of, exported, 1876, 177.
protection from storms and wire-worms, 1869, 442.
requisites in growing, 1837, 6; 1843, 39; 1870, 531.
thrashing and cleaning, 1863, 432.
varieties of, 1870, 24, 200.
Grain-binders,
improvement in, 1871, 217.
Grain-bins,
construction of, 1869, 329.
Grape,
American, 1859, 57, 59; 1861, 478–486; 1862, 194; 1863, 489, 490.
analysis of, 1859, 55; 1860, 325, 337; 1862, 509.
a new seedling, 1876, 418.
articles on, 1845, 932, 934, 940, 945, 946; 1847, 462–470; 1848, 614; 1849, 283, 286, 287; 1851, 48; 1853, 296, 306, 311, 372; 1854, 311; 1855, 302, 305; 1856, 408; 1857, 227, 232; 1858, 338, 344, 348; 1859, 30, 44, 61, 71; 1860, 359–416, 499; 1861, 476; 1862, 194, 209; 1863, 147; 1865, 194, 324; 1866, 115; 1868, 207.
best variety for New Hampshire, 1876, 413.
book notices, 1868, 567, 574.
by the Pueblo Indians, 1870, 415.
Catawba, 1843, 104; 1845, 311; 1851, 49; 1854, 313.
cause of failure of the foreign, 1876, 71.
climates of, 1853, 375, 378, 379, 385; 1858, 352; 1862, 200; 1863, 478, 494, 495; 1867, 27, 315.
Concord, Delaware and Diana, 1862, 210; 1866, 118; 1873, 387, 434, 435.
cultivation of, 1850, 373, 431; 1853, 299, 303, 306, 372, 382; 1854, 312; 1855, 307; 1856, 329, 408–445; 1858, 354, 355; 1859, 62, 71–84, 85, 94, 108, 129, 130; 1860, 359–416; 1861, 486–506–526; 1863, 147–158, 354; 1866, 97–114, 115–125; 1867, 12; 1868, 207–219, 568, 571; 1874, 420.
desirable varieties, 1854, 274; 1863, 127, 355, 482; 1867, 162; 1871, 403; 1875, 383, 385.
disease in Europe, 1865, 324–338.
diseases and enemies of, 1853, 311, 312, 313; 1856, 430; 1857, 122; 1858, 352.
European, 1860, 324; 1861, 480; 1863, 486.
experiments on cuttings, 1861, 476.
foreign varieties, 1849, 187; 1850, 99; 1859, 540, 559; 1860, 30, 31.
for wine, 1845, 945; 1847, 462; 1848, 614; 1850, 238; 1853, 296, 306; 1855, 302; 1856, 408; 1859, 42, 44, 62, 342; 1860, 323–358, 359–416; 1861, 506–526; 1862, 195; 1867, 12, 155, 163; 1868, 6; 1869, 546.
growing, vines from leaves, 1869, 416.
Herbemont, Logan, and Rebecca, 1862, 212.
hybridizing, etc., 1862, 209; 1864, 122–140; 1867, 305, 341; 1870, 494.
inarching with foreign, 1869, 500,
in British North America, 1853, 298.
California, 1851, 5; 1853, 299; 1858, 338, 344; 1870, 151; 1872, 441; 1873, 377.
Connecticut, 1858, 391.
Delaware, 1856, 371.
Florida, 1867, 146.
Georgia, 1851, 322.
Government garden, 1859, 17.
Illinois, 1856, 398; 1859, 535.
Indiana and Kentucky, 1853, 310.
Iowa, 1871, 231.
Maine, 1856, 329.

Grape,
in Maryland, 1853, 300; 1871, 145.
Massachusetts, 1853, 300; 1856, 332; 1858, 398; 1868, 482; 1870, 492.
Michigan, 1856, 386.
Missouri, 1851, 452; 1853, 310; 1854, 255; 1857, 232; 1868, 524; 1869, 546; 1871, 232.
Nebraska, 1865, 209; 1866, 115.
New England, 1858, 355–366.
New Jersey, 1847, 199; 1856, 351; 1858, 408; 1866, 149.
New Mexico, 1851, 481.
New York, 1859, 547.
North Carolina, 1845, 938; 1849, 283; 1851, 48; 1871, 148, 149, 150.
Ohio, 1853, 309, 310; 1855, 305; 1858, 417; 1861, 470, 475; 1869, 533; 1871, 231.
Pennsylvania, 1856, 357; 1858, 419.
interrogatories on, 1858, 48.
in Texas, 1859, 30, 39.
the South, 1858, 383.
Iona, Diana, and Rogers, No. 4, 1865, 187, 188.
Isabella, 1851, 49; 1854, 313.
list of, unworthy of cultivation, 1864, 607.
Malaga, 1864, 501.
mildew, 1849, 136; 1854, 312; 1862, 153; 1865, 542, 546, 549; 1871, 116.
native, 1857, 228–231, 233; 1858, 346; 1859, 30, 537–539; 1860, 29, 30, 499; 1861, 479; 1862, 198, 203, 206, 207; 1863, 548.
new varieties, 1865, 194–199; 1874, 450.
of preserving, 1847, 200; 1850, 99; 1854, 316; 1862, 488; 1870, 613; 1871, 232.
Old Mission, 1866, 129, 131.
on Lake Erie and islands, 1851, 362, 374; 1852, 251; 1853, 304; 1866, 181.
Paris Exposition report on, 1867, 163–171.
propagating, 1870, 615.
raisin, 1854, xxxi.
report of superintendent of garden on, 1865, 13–16, 20; 1866, 18, 19; 1868, 118; 1869, 81–87.
root louse, 1876, 40, 70, 81.
Scuppernong, 1843, 104; 1847, 470; 1849, 284; 1851, 49; 1853, 306; 1861, 480; 1868, 119, 443, 574; 1874, 445.
sugar, 1860, 328.
sirup, production of, 1876, 161.
the Kalamazoo, 1872, 484.
rot, 1853, 301; 1857, 234; 1865, 544; 1869, 513.
under glass, 1867, 25.
varieties of, 1862, 212, 214, 215, 216; 1863, 127–130; 1868, 211.
vine from Japan, 1864, 504.
Winnie, 1845, 312.
Yokanodkans, 1843, 104.
Grapery,
arrangement of house, with drawing, 1861, 502.
culture of grapes in, 1860, 402–416.
expense of erecting, 1862, 545.
inside borders for, 1866, 22.
plans for, 1861, 487, 488.
Grass,
alfalfa, 1855, 254.
analysis of cultivated, 1865, 401, 420.
and grain, 1876, 371.
arundo, 1843, 68, 142.
bear, 1847, 424.
bent, sweet gum from, 1870, 423.
Bermuda, 1844, 94; 1849, 156; 1853, 400; 1855, 252; 1873, 280; 1874, 229.
brush, 1859, 307.
buffalo, 1868, 489.
China, 1855, 244; 1865, 34, 347–352; 1866, 11, 21; 1867, 220–224.
Chinese, cloth-plant and, of the Brazilian pampas, 1860, 139.
linen-plant, 1855, 247.
climatology of, 1853, 395–400.
clover, 1845, 689; 1854, 192.
correspondence on, 1853, 212; 1854, 188; 1855, 250.
couch or phin, 1854, 187, 188.
crab, 1851, 334; 1854, 188.
culture of, 1843, 143; 1845, 255; 1854, 191, 192; 1871, 383, 425; 1873, 473.

Grass,
current facts about, 1873, 280.
esparto, 1868, 260–267.
and silk, 1863, 109.
experiments in top-dressing land for, 1868, 425.
with, 1868, 423, 424; 1869, 273, 280; 1872, 418; 1875, 503.
failure of Northern, in the South, 1852, 64.
fields in New Hampshire, 1872, 493.
for hay, 1867, 299, 347; 1874, 229; 1876, 422.
manuring, 1850, 11; 1854, 116; 1864, 315.
the South, 1845, 689; 1860, 224–239; 1873, 236, 239; 1874, 157–159, 228.
foul meadow, 1853, 215.
gama, 1843, 68, 137; 1852, 350; 1853, 401; 1855, 252; 1869, 620.
guinea, 1845, 689; 1849, 293; 1853, 400; 1855, xxx; 1873, 237.
hay, and other fodder, 1853, 210; 1854, 187; 1855, 248.
birds, 1844, 151; 1845, 689; 1853, 220.
in report of superintendent of garden, 1869, 88, 89, 90; 1870, 19, 21.
insects injuring, 1868, 110.
interrogatories on, 1858, 60.
Italian rye, 1844, 373; 1872, 418.
Kentucky blue, 1854, 190; 1869, 545.
lands, successful mode of treating, 1876, 384.
lemon, 1870, 14.
list of, for various soils, 1847, 159; 1864, 316.
mesquite, 1843, 68; 1855, 252; 1856, 305.
method of killing witch, 1874, 402.
moha, 1854, xxii.
number of species known, and number cultivated, 1871, 385.
of the plains and Rocky Mountains, 1870, 217–226.
on the government experimental farm, 1865, 30.
orchard, 1869, 545.
panic, seed used by Indians, 1870, 419.
Randall, 1856, 305; 1857, 55.
rice, 1845, 690.
sand, or sea-side lyme, and sea-reed, 1854, xxvi.
scurvy, 1854, 380.
sowing seed, 1845, 694, 695, 697; 1853, 220; 1873, 472.
species for lawns, 1854, 392.
sweet vernal, 1849, 373.
Terrel, or wild rye, 1874, 229.
tests of different varieties, 1873, 236.
time for sowing blue, in Missouri, 1872, 487.
timothy, 1855, 248, 250; 1869, 498; 1872, 277,
treatment of lands, 1873, 426; 1874, 401.
tussock, 1843, 68, 141; 1855, xxxi.
used for bonnet-plaiting, 1847, 159.
weed, 1865, 518, 519.
wild, of Colorado and New Mexico, 1866, 127.
Grasshopper,
and locust, 1855, 70; 1876, 375.
other orthoptera, 1868, 308.
classification of, 1874, 129.
cotton plants injured by, 1855, 69; 1867, 61.
destruction of, by the mocking bird, 1865, 41.
in the West and Northwest, 1872, 121; 1874, 122, 125, 126.
Utah, 1869, 618.
machine for killing, 1871, 80.
metamorphosis of the, 1863, 564.
of the different States, 1873, 155.
lubber, 1858, 265; 1872, 117.
ravages of, in the West, 1866, 27, 31.
or Pacific migratory locust, 1871, 78.
remedies for, 1855, 70; 1862, 388; 1864, 543; 1866, 28.
species of, 1862, 381, 383.
the green-fly destructive to, 1866, 31.
hateful, 1869, 541; 1874, 136, 137.
Rocky Mountain and common, 1870, 76.
"terrible," of California, 1874, 137, 138.
used for food by Digger Indians, 1870, 426.
Western locust, or hateful, and red-legged, 1867, 65; 1874, 126.

Gravity,
action of, on the growth of vegetables, 1869, 106.
experiments with, on growth of plants, 1869, 108.
Grayling,
description and use of, 1870, 387.
Grazing,
discussion on, 1872, 466.
in Indiana, 1876, 373.
interest in Nebraska, 1871, 377.
lands of America, 1870, 301–310.
Grease,
objection to breeding, in wool, 1871, 194.
utilizing the, of sheep's wool, 1870, 619.
Great Britain,
agricultural statistics of, 1866, 64; 1873, 145; 1876, 269.
crops and live stock from, 1867 to 1873, 1874, 275.
farm stock of, 1865, 71.
flax in, 1861, 74, 75.
imports and exports of, 1873, 141.
population, productions, and areas, 1876, 255–267.
potato disease in, 1873, 288.
wheat supply of, 1873, 49, 50, 288.
Greece,
statistics of population, productions, etc., 1876, 255–270.
Green sand,
analysis of, from Maryland, 1873, 171.
marls, 1868, 69, 402, 403.
Grossbeak,
cardinal, or Virginia nightingale, 1863, 303; 1865, 42.
the blue, 1856, 124; 1863, 303.
pine, 1863, 301.
rose-breasted, 1856, 125; 1863, 302.
Ground,
department, 1868, 191; 1869, 18; 1870, 12, 16; 1873, 9; 1874, 7.
Groundsel,
or ragwort, worthlessness of, 1865, 513.
Grouse,
family of, with species, 1863, 305.
Richardson's, the spruce, and Franklin's, 1864, 368, 369, 370.
Sabine's, the allied and the pinnated, 1864, 364.
the ruffed, 1856, 151–153; 1864, 362, 363; 1865, 44.
sharp-tail, arctic sharp-tail, and dusky, 1864, 367.
spotted Canadian, 1856, 153.
Grove,
artificial, 1867, 361; 1873, 283.
effect of, on climate, 1873, 396.
Grub,
destroying sheep, 1875, 34.
experiments in destroying, 1869, 296.
for feeding young pheasants, 1872, 132.
injuring roots of grape-vine, orange tree, etc., 1870, 72.
injurious to corn and grass, 1874, 129.
in the sheep's head, remedy for, 1864, 563.
of the May-bug, 1867, 357.
Guado,
preparation of, and use in dyeing linen, 1859, 119.
Guanaco,
nativity, habits, and hybridization of, 1865, 96.
Guano,
abundance of the supply, 1845, 358; 1850, 79; 1872, 436.
analysis and composition of, 1843, 125; 1844, 378.
and compost manures, 1844, 377; 1856, 193.
article on, 1854, 90–101.
bat, of the Tennessee caves, 1869, 564.
compared with barn-yard manure, 1869, 292.
deposits of, in Peru, 1874, 267.
experiments with, 1850, 79; 1851, 10; 1868, 433; 1872, 149.
for making Dr. Valentine's, 1869, 431.
formula for artificial, 1844, 379.
great value for wheat, 1850, 59, 347; 1852, 98, 176; 1853, 81.

Guano,
gypsum and, 1860, 116.
how to know good, 1860, 115.
imports and exports of, 1858, 230; 1870, 438.
introduced by Humboldt and Davy, 1872, 303.
Lobos Islands and Bolivian, 1864, 495, 538.
manufacture of fish, 1854, 107; 1872, 436; 1875, 508.
soluble Pacific, 1873, 273.
on buckwheat, 1854, 113.
corn, 1851, 267.
neglected lands in Delaware, 1855, 151.
strong limestone soils, 1867, 185.
Peruvian, 1851, 2; 1854, 96; 1869, 429; 1873, 272.
potato crop doubled by, 1853, 85.
quantity per acre, 1853, 79; 1854, 100.
rules for applying and experiments with, 1844, 381, 382.
value, use, and adulteration, 1865, 380, 381, 382; 1873, 272.
variation in quality, 1870, 441.
Guarana,
source, use, and properties of, 1870, 196.
Guava,
cultivation of, in Florida, 1867, 144.
locality and fruit of, 1859, 348.
Gum,
and resins, 1870, 181, 182, 184, 185, 186, 187, 188, 190, 191.
arabic tree, the Egyptian, 1855, lviii.
history and use of the mesquite, of Texas, 1872, 452.
the new California, 1860, 138.
tree, blue and red, cultivated in California, 1870, 232.
properties of the blue, 1870, 22.
sweet, 1866, 482.
Gumanine,
source, and use of, for varnish, incense, and candles, 1870, 183.
Gumbo,
or okra, 1854, 225, 367; 1859, 358.
Gunpowder,
manufacture of, 1843, 305.
Gurneyism,
origin and practice of, by Mr. Gurney, 1845, 690.
why the process enriches the soil, 1854, 111.
Gutta-percha,
a substitute for, 1861, 330.
history and uses of, 1847, 21.
source and preparation of, 1870, 190.
Gypsum,
abundant beds of, 1864, 28; 1866, 130; 1868, 377; 1869, 569, 580; 1870, 95.
analysis of, 1856, 230; 1868, 395; 1869, 569.
and peat, good absorbent of urine, 1844, 380.
as a manure for clover, 1852, 175; 1853, 160.
potatoes, 1844, 78, 88.
chemical action of, as a manure, 1871, 193.
Dr. Franklin's experiments with, 1856, 231.
for fields and pastures, 1852, 283.
imports, 1858, 230.
introduced by Robert R. Livingston, 1852, 18.
of mixing with other nitrogenous manures, 1860, 116.
on corn in the hill, 1853, 82.
the growth of wheat, 1862, 85.
quantity per acre, 1852, 117; 1856, 234.
soils most benefited by, 1856, 233.
the first plaster-of-Paris used in America, 1859, 161.
use of, for dusting stalls, 1852, 174.
on corn, potatoes, and grass, 1851, 138, 255.
Haarlem,
article on the drainage of Lake, 1855, 122, 127; 1866, 532.
engines on, and time required, 1866, 532.
Hackmatack,
properties and uses of, 1866, 479.
Hair-bird,
habits, nest, and eggs of, 1864, 423.

Halibut,
abundance, near Alaska and Sitka Island, 1870, 381.
Ham,
and bacon, exports of, 1876, 239.
curing, 1845, 374, 1159; 1850, 233, 267, 273, 446; 1851, 667; 1852, 173, 231; 1863, 214.
of preserving, from insects, 1862, 489.
preparing, 1843, 226; 1844, 431.
secret of curing, 1851, 311.
Hang-bird,
habits, nest, eggs, and food of, 1864, 427; 1865, 42.
Hare,
of the family of, and rabbits, 1863, 272.
or gray, white, or swamp rabbit, 1857, 77, 84, 85, 86.
Harpalus,
food, and benefit of the, 1854, 87; 1855, 110.
Harpoon,
improvements of, 1844, 489.
Harrow,
and roller, 1863, 425.
different recent patents, 1869, 321.
revolving tooth, 1871, 215.
rotary and smoothing, 1872, 285.
the sulky, 1874, 286.
with drawing, 1862, 417; 1866, 250, 251; 1869, 321.
Harvest,
flies, 1876, 24.
Harvester,
Indian corn, 1866, 281; 1874, 293.
improvements in, 1869, 326; 1871, 216.
Hat,
improvements in manufacture and machinery, 1843, 271; 1844, 481.
Hawk,
Cooper's sharp-shinned, red-tailed, red-shouldered, and broad-winged, 1864, 389, 390.
injuries, benefits, and food of, 1865, 36, 37.
large-footed, and sharp-shinned, 1856, 117, 118.
the duck, great-footed pigeon, and sparrow, 1864, 387, 388.
marsh, or mouse, fish, and night, 1864, 391, 392, 400.
Hawthorn,
flowering, 1868, 203.
for hedges, 1854, 394, 410.
fruit for Indian food, 1870, 413.
unfit for hedges in Mississippi Valley, 1868, 244.
Hawthorn-blight,
microscopic investigations of, 1873, 183.
Hay,
annual product and value of, in the United States, 1871, 385; 1876, 91.
answers to circular on crops, 1849, 291.
articles on, 1845, 691; 1847, 421; 1858, 308.
average price in different States, 1873, 47.
bailing and shipping, 1863, 430.
composition of good, 1864, 280.
correspondence on, 1853, 212; 1854, 188; 1855, 250.
cost of making, by machinery and otherwise, 1869, 441, 442.
culture and value of the crop, 1873, 425.
cutting and curing, 1844, 94; 1845, 254, 691; 1847, 421; 1858, 308, 311; 1867, 240, 1868, 423, 476; 1869, 441; 1871, 253, 365.
experiments with, 1868, 423; 1869, 273.
extent of the trade at West Albany, 1874, 276.
grass and other fodder, 1853, 210.
ground, and the tedder, 1869, 425, 426.
horse-power pitching fork, 1849, 366.
importance of the, crop in New England, 1861, 252.
increased yield from supplying proper plant food, 1876, 390.
in New York and at New Orleans, 1873, 280.
marsh, salt and fresh water, 1876, 290.
perfection of the, cutter, 1872, 290.
prairie, 1870, 221.
premium crops in Ohio, 1868, 509.

Hay,
progress of the culture in this country, 1872, 295.
six tons per acre at two cuttings, 1852, 159.
statistics of, 1874, 23, 33, 34, 35; 1876, 91–98.
table of sowing and yield per acre, 1848, 656.
tabular estimate of, crops in the different States and remarks thereon. (See *under name of each State.*)
value of crop in New Hampshire, 1871, 382.
100 pounds compared, 1862, 273; 1868, 474.
the crop of Illinois, 1872, 480.
in Massachusetts, 1868, 481.
Header,
description and antiquity of, 1874, 288.
Health.
application of chemistry to the laws of, 1876, 400.
of farmers' families, 1862, 453–470.
Heat.
analogy of, and sound, 1857, 428.
effect of, on plants, 1857, 486, 488; 1863, 471.
from the sun on different surfaces, 1857, 491, 492.
internal, of vegetables, 1869, 115.
of soils to develop, on being moistened, 1870, 147.
radiant, and of the earth, 1857, 458, 465.
Heath-berry,
for food, 1859, 347.
Hedge,
and plants, 1868, 194.
cost of, 1869, 436.
experiments in growing, 1873, 439.
fences and, 1869, 172.
in Iowa, 1871, 238, 349.
Osage, 1868, 245–259; 1869, 413.
plants suitable for, 1857, 239; 1868, 196; 1872, 478; 1876, 70.
preparing soil for, and pruning, 1868, 194, 195.
quick-set, and treatment of, 1854, 393, 395.
the Macartney rose for, in Georgia, 1855, 315.
pyracantha, or evergreen thorn for, 1856, 451.
trees and shrubs employed for, 1854, 396.
Hekune,
oil, source and uses of, 1870, 178.
Helbeh,
history and use of, 1859, 20.
Heliotrope,
different species and fragrance of, 1863, 373.
Hemlock,
as an ornamental tree, 1872, 166.
poisonous qualities and variety, 1865, 512.
spruce for hedges, 1854, 403; 1868, 196.
Hemp,
American compared to Russian, 1845, 715.
American dew-rotted, 1845, 712; 1849, 328.
(art. on), Centennial, 1849, 327.
a substitute for (art. on), 1850, 310.
circular on American, 1844, 277.
consumption and quality of American, 1841, 74.
correspondence on, 1853, 205; 1854, 186; 1855, 242.
cultivation of, 1844, 268; 1845, 390, 700, 706; 1861, 83; 1863, 91–95.
culture and manufacture, 1861, 83.
curing, by heat, 1845, 717.
defective preparation, 1845, 724.
exports, 1858, 230.
flax and (art. on), 1853, 199–206; 1869, 57.
imports, 1842, 21; 1843, 72; 1858, 230.
indestructible cordage, 1848, 146.
in Japan, 1873, 372.
Kentucky and Missouri, 1854, 186; 1868, 526.
Russia, 1855, 238.
insect feeding on seeds of, 1868, 110.
in Sicily, 1859, 121.

Hemp,
interrogatories on, 1858, 64.
in the Pacific States, 1864, 476.
jenequen, or Sisal, 1859, 257.
Kentucky, unsurpassed, 1845 723.
kyanizing, 1861, 107.
least exhausting crop, 1861, 108.
manufacture, 1844, 275; 1845, 390, 700; 1858, 230; 1861, 83.
names of States growing, 1841, 73.
of growing, in the Northern States, 1861, 115.
substituting, for cotton, 1863, 13.
the Indian and Bologna, 1843, 70, 71.
oil from 100 pounds of seed, 1843, 110.
poisonous effect on water used, 1861, 28.
preparing, 1848, 33.
product per acre, 1842, 21; 1872, 509.
separating fiber from the stocks, 1843, 263.
Sisal, in Florida, 1855, 242; 1856, 252.
spinning, 1843, 263.
statistics of, 1863, 106.
strength of different specimens, 1845, 719.
tabular estimate of crops in the different States and remarks thereon. (See *the name of each State.*)
to give light color to water-rotted, 1845, 714.
water-rotting, 1843, 144; 1844, 99; 1845, 42, 704, 706, 722; 1849, 329.
yield in Kentucky and Missouri, 1851, 360, 450.
Hen,
benefit of feeding nettles to laying hens, 1870, 612.
remedies for lice on, 1864, 545. (See Poultry.)
the meadow, 1863, 285.
prairie, 1864, 364,
Henbit,
or dead nettles, 1865, 515.
Heracleum,
value as a forage plant, 1854, xxiii.
Herbarium,
additions made to the National, 1873, 10; 1874, 156.
contributions to the National, 1870, 11; 1872, 159.
magnitude of, in Kew Gardens, 1870, 111.
names of the contributors, 1870, 108; 1872, 159.
plants distributed from the National, 1874, 156.
the National, of the department, 1869, 91–95.
Heron,
the family of, with species, 1863, 306.
Herring,
habits and catching, near Alaska, 1870, 380.
Hesse Darmstadt,
statistics of population, productions, etc., of, 1876, 255–269.
Hickory,
insects injurious to, 1868, 111.
in ship-building, 1866, 481.
Hides,
dry, incapable of transmitting rinderpest, 1876, 321.
imports and exports, 1858, 222.
insects injurious to, 1868, 111.
markets for, 1876, 215, 226.
number shipped from Montevideo, 1865, 495.
preparing South American, for market, 1865, 494.
Hill,
table of number on acre, 1854, 331.
Hodges, Silas H.,
report of, 1852, 1.
Hoe,
first cast-steel, made, 1872, 286.
used in Massachusetts, 1872, 278.
seed-sower and wheel, 1851, 151.
the horse, 1862, 7; 1866, 247, 252.
weeding, 1866, 285.
Hog,
and its products, 1866, 382–393.

Hog,
Berkshire and premium, 1871, 230.
black-tooth in, remedy for, 1871, 387.
Chester breed, 1850, 417; 1855, 61.
cholera, 1861, 147–154; 1867, 99; 1876, 408.
treatment of, 1876, 423.
cist on the crop, 1847, 524–533.
correspondence on raising, 1853, 50; 1854, 56; 1855, 61.
cost of packed, 1876, 233, 234.
crop in the West, 1848, 636.
cross breeding, 1847, 538.
diseases of the, 1876, 107, 408.
experiment in feeding, 1871, 249; 1872, 460; 1875, 510; 1876, 398.
exports, 1858, 224, 225; 1876, 239.
fattening, 1847, 534; 1851, 360; 1852, 177, 326; 1853, 51; 1868, 428; 1870, 498, 504, 512, 611.
fattening, on acorns, 1850, 233.
gum, 1870, 187.
improved blood, 1872, 439.
in Colorado, 1870, 446.
Europe and America, 1845, 1024.
France and Great Britain, 1869, 629.
lard per hog, 1842, 89; 1874, 105.
losses of the, 1876, 111.
number and value of, 1845, 344, 345; 1875, 34, 36, 49, 50.
prices of, in the United States, 1876, 104.
numbers of the, packed, 1876, 232, 234, 239, 241.
value, etc., in the several States, 1876, 113.
of Russia, 1855, 60.
selecting breeds, 1870, 494.
or swine trade and markets, 1876, 211, 228, 250, 252.
packing in the West, 1849, 493; 1851, 566; 1863, 198–215; 1874, 103.
Poland-China, 1873, 438. (See Swine.)
products, markets for, 1876, 214, 229, 242, 250.
prevalence of diseases of the, 1866, 78.
profitable, 1870, 445.
raising and management of the, 1873, 397, 438; 1874, 231.
receipts of, in the Eastern cities, 1876, 236.
slaughtered in the United States, 1872, 424.
statistics, 1850, 561.
swine, 1853, 48–50.
weight of packed, 1876, 232, 234, 241.
wood-chuck or ground, 1856, 82.
yield of lard, 1876, 233, 234.
Holland,
statistics of population, productions, etc., 1876, 255–270.
Holloway, David P.,
report of, 1861, 3.
Holly,
for hedges, 1854, 399, 400.
Yopon, or emetic, 1859, 15.
Holt, Joseph,
report of, 1857, iii.
Home,
making, 1871, 392; 1874, 443.
of farmers' in Italy, 1876, 284.
Homestead,
act of Congress on, 1868, 465, 468.
Honey,
bee's-wax and, 1855, 120.
Chinese mode of taking, 1860, 91.
effect of age on, 1860, 269.
from orange and citron flowers, 1867, 154.
imports and exports, 1858, 221.
in Austria, 1860, 280, 282.
of taking, from the hive, 1860, 297.
poisonous when, 1857, 119.
product of, 1865, 458; 1868, 272, 273; 1871, 389, 406.
purifying, 1860, 299.
robber-bees stealing, 1860, 283.
wine, 1860, 300.

Honeysuckle,
Japan, for arbors, 1868, 204.
the wild, Indian food, 1870, 414.
Hoof,
cattle's for Prussian blue, 1845, 1027.
gutta-percha for horse's, 1861, 322.
sand-crack, or split, 1870, 373.
Hook,
Dunlap's, weed, 1863, 419.
Hops,
analysis of ashes, 1850, 545; 1853, 248.
crop, 1876, 91, 104.
culture, 1853, 245–254; 1854, 355; 1861, 289–293.
exports, 1858, 232.
in Alabama, 1870, 449.
England, 1857, 280–293.
Sauk County, Wisconsin, 1869, 538.
interrogatories on, 1858, 69.
in Victoria, 1874, 438.
Virginia, 1857, 15.
origin and history of, 1853, 242–244.
plant, 1864, 97–110.
Hopper,
the buffalo-tree, 1864, 560.
grape-vine, 1854, 77; 1871, 85.
leaf, 1864, 559; 1871, 237.
Horehound,
cultivation and uses of, 1854, 354.
Horn,
for manure, 1860, 116.
treatment of the, ail, 1871, 387.
Hornbeam,
the American, 1854, 414.
European, 1854, 413; 1869, 197.
Hornet,
destructive to cicada, 1867, 69.
tobacco-worm, 1872, 123.
how to secure the nest, 1864, 548.
Horse,
a few words on the, 1861, 544–558.
age of greatest vigor, 1859, 191.
artificial hoofs, 1861, 322.
book notices, 1868, 593; 1871, 427; 1872, 401; 1873, 313.
breeding and training, 1873, 445; 1876, 391, 401.
cavalry, in America, 1863, 159–175.
check for runaway, 1861, 321.
condition of, 1876, 105.
correspondence on raising, 1853, 28; 1854, 22; 1855, 39.
digestive organs of the, 1856, 4.
expense of raising in Ohio, 1852, 255.
exports of, 1858, 224.
for Vermont, points in growing, 1876, 426.
from practical experience in the army, 1866, 321–334.
history and habits of the, 1856, 9–14.
hybridizing, with the ass and zebra, 1863, 181.
Icelandic method of tying, 1860, 84.
improvement of, in present century, 1872.
influenza in, 1872, 203.
in New England, 1861, 255.
interrogatories on, 1858, 80.
in the different States, diseases of, 1866, 75; 1867, 98; 1868, 41; 1869, 40; 1870, 42; 1871, 31; 1872, 31; 1873, 33; 1874, 37.
in the different States, number and prices of, 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 34, 49, 50.
market for, and mules, at Saint Louis, 1876, 224, 252.
in Chicago, 1876, 218.
meat for food in France, 1869, 629.
mules, and asses, 1853, 25-27; 1855, 31–33.
nativity of, 1859, 208.

Horse,
nature and treatment of, 1867, 336.
Navajo, 1851, 486.
Norman, "French Napoleon," 1866, 320.
number and price of, in the United States, 1876, 104.
objections to racing, 1868, 505.
of breaking, 1851, 228; 1852, 147.
change of country on, 1855, 1.
feeding, 1847, 341; 1849, 21; 1850, 385; 1851, 71; 1852, 203, 229; 1861, 320; 1873, 276, 411.
giving medicine to, 1859, 199; 1861, 320.
keeping different breeds of, distinct, 1872, 481.
Morocco, 1862, 505.
New England, 1861, 382–402.
Russia, 1855, 36, 37.
shoeing, 1873, 315; 1875, 516.
Sicily, 1859, 123.
or gad fly and bot-fly, 1872, 129, 130.
origin of the Percheron, 1871, 400; 1874, 417.
points in breeding the, for market, 1876, 392.
powers, 1843, 297; 1844, 503; 1845, 76; 1847, 77.
prices of, 1871, 427; 1872, 39.
profit of breeding fine, 1873, 314.
raising and managing, 1873, 396.
of, for Maine, 1876, 386.
remarks on, 1862, 335–344.
remedy for worms in, 1860, 85.
roadsters and trotters, 1864, 157–161
sales of high-priced, in Kentucky, 1873, 274.
shoe, improved, 1860, 80.
size and breeding of, 1867, 246.
stables, 1859, 260.
structure, etc., of the foot, 1870, 357–375.
table of numbers to 100 acres of land, 1871, 54.
the Conestoga, 1863, 178.
English draft, 1857, 51.
last census of, 1872, 301.
Messenger stud, 1871, 427.
Morgan and Black Hawk, 1853, 36; 1876, 426.
Morgan stock of, in Iowa, 1867, 360.
Pennsylvania, 1853, 30.
value of a dead, in Paris, 1845, 1028.
Horticultural,
division, operations of, 1871, 5; 1872, 5; 1873, 8; 1874, 7.
society, Missouri State, 1876, 409.
Horticulture,
and pomology, 1849, 428.
hints in, 1868, 194.
in Illinois, 1873, 382.
Japan, 1861, 317.
the pampas, 1864, 236.
iron as a tonic in, 1861, 332.
practical, 1870, 613.
principles of, 1857, 244.
Hot-bed,
construction of, 1845, 396; 1863, 345.
House,
an ice, 1863, 447.
a poultry, 1870, 330, 535.
book notice, 1869, 489; 1872, 402.
exposition for a green, 1869, 489.
farmer's, 1863, 313–337.
green, of the Kew Gardens, 1870, 111.
heating green, 1865, 23, 328; 1871, 104.
location of out, 1871, 466.
of a propagating, 1864, 608.
constructing, 1842, 45, 98.
orchard, 1861, 538; 1863, 549–551; 1867, 24.
plant, of the department, 1868, 192; 1870, 17; 1871, 102.
propagating of the department, 1866, 24.

House,
shade-trees of, 1863, 335.
some hints upon farm, 1859, 397–441.
temperature of green, 1863, 555.
unburnt brick, 1843, 238; 1844, 450.
wash for, 1844, 453.
Household,
importance of, conveniences, 1867, 245.
Huckleberry,
preservation of, 1862, 489.
squaw variety, 1870, 415.
Huller,
improved clover, 1866, 278.
Humidity,
observations on atmospheric, 1865, 520–550.
Hummas,
native locality and habits of, 1859, 21.
Humming-bird,
classification of, 1865, 38.
food, etc., 1863, 281, 293; 1864, 399; 1865, 38.
Humpback,
description and use of, 1870, 386.
Hundoo,
or tallicoonah oil, 1870, 174.
Hungary,
statistics of population, productions, etc., of, 1876, 255–270.
Hurricane,
different theories of, 1858, 491.
Husbandry,
book notice on, 1871, 415.
observations in English, 1860, 140.
Husker,
corn, 1869, 328; 1874, 293.
Hyacinth,
directions for cultivating, 1863, 373.
the wild, for food by Indians, 1870, 408.
Hybrid,
experiments, 1860, 94.
grapes, 1868, 119; 1869, 83, 87.
infertility of, 1863, 180; 1867, 300.
influence on offspring, 1863, 180; 1867, 303.
meaning of, 1855, 181; 1867, 298, 301, 311.
Hybridizing,
a fascinating occupation, 1870, 535.
alpacas with the llama, 1845, 344; 1857, 69; 1865, 96.
and degeneration of plants, 1867, 296–317.
Brahmin bulls with shorthorns, 1853, 22.
buffalo with the cow, 1851, 127; 1860, 20.
camels with the dromedary, 1853, 63.
common goat with the cashmere, 1853, 20; 1867, 225.
experiments in, 1860, 94.
grapes, 1862, 198, 209–220; 1864, 122–140; 1867, 341; 1868, 119; 1871, 392.
improvement of fruits by, 1870, 152.
mules with the horse, 1851, 86.
objects to be attained by, 1862, 542.
produces more males, 1863, 181.
roses, 1869, 508.
sheep with the goat, 1851, 87.
sorghum, 1857, 183.
squash with the pumpkin, 1857, 183; 1867, 313.
sugar-cane with broom-corn, 1862, 134; 1864, 56.
the common with the wild goose, 1862, 371.
the horse with the quagga, 1862, 232.
vicuña with the alpaca, 1857, 69.
Hydrant,
recent improvements in the, 1843, 326.
Hydraulics,
and pneumatics, 1845, 82; 1846, 96; 1847, 76; 1848, 48.
inventions in, 1843, 325; 1845, 29.

Hyssop,
cultivation and uses of, 1854, 356.
Ice,
anchor, and columns, 1857, 502, 506.
breakers, 1844, 489.
house, for a farm, 1871, 391.
importance of thick, 1857, 498.
in packing fish, 1870, 613,
sanitary effects of, 1857, 501.
trade, 1848, 696–703; 1863, 439–449.
value of exports, 1858, 232.
Idaho,
capabilities and crops of, 1869, 611, 612.
lands and population of, 1868, 463.
Ilex,
species for hedges, 1854, 399, 400.
vomitoria, or emetic holly, 1859, 15.
Illepe,
oil of, source and uses of, 1870, 177.
Illinois,
agricultural report of, 1870, 505; 1872, 471; 1873, 382.
apples of, 1848, 543.
beet-sugar in, 1872, 472.
canning and pickling in, 1874, 279.
cause of destruction of fruit trees in, 1873, 382.
corn and wheat counties, 1873, 53, 54.
fences of, 1871, 504.
fruit canning in, 1873, 279.
of Southern, 1872, 440.
forest, wood and timber of, 1873, 384; 1875, 310.
grape culture, 1873, 387.
horticultural societies, 1875, 441, 443.
hogs packed in, 1876, 232.
Industrial University. (See College.)
laws of, 1864, 445; 1871, 224.
live stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral fertilizers of, 1869, 575.
raising cattle in, 1854, 12.
corn in, 1850, 198; 1873, 278.
horses and mules in, 1854, 23.
remarks on crops of, 1841, 69; 1843, 46; 1845, 129; 1847, 106; 1848, 539; 1849, 218; 1850, 198; 1851, 437; 1852, 323; 1853, 105; 1854, 123; 1855, 170.
report of pomological convention, 1849, 429–451.
sales of shorthorns in, 1873, 274.
Swine Breeders' Association, 1872, 475.
tabular estimate of crops of. (See Crop.)
Immigrant,
inducements to, 1872, 447.
number and occupations of, 1868, 54.
Immigration,
from 1820 to 1860, 1868, 53.
1820 to 1870, 1870, 61.
German, since the rebellion, 1868, 54.
in 1869, 1869, 58.
remarks on, 1873, 78.
report on, 1868, 53; 1869, 58; 1870, 60.
tables of, 1873, 79, 80; 1874, 109; 1875, 48.
to New York in 1865, 1865, 87.
westward, results of, 1876, 281.
Imphee,
botanical history of, 1865, 303.
chemist's report on, 1862, 514–540.
introduction of, 1873, 108.
sugar from the black, 1869, 530.
sirup per acre, 1872, 477.
varieties for Iowa, 1868, 519.
Implements,
ancient and modern, 1870, 392.

Implements,
and tools, 1856, 452.
agricultural, 1858, 89; 1862, 10; 1863, 423.
ditching, 1870, 589.
excavating, 1844, 500.
export of agricultural, 1872, 81.
farm, 1867, 238.
farming and machinery, 1862, 410, 555.
first field trial of, 1859, 24.
for cutting ice, 1863, 442.
improved farm, 1866, 225–288.
improved, in cotton culture, 1867, 424.
labor-saving, in Virginia, 1870, 278.
marine, 1843, 277; 1844, 487; 1845, 65; 1846, 78; 1847, 70; 1848, 41.
of war, 1843, 305; 1844, 506; 1845, 80; 1846, 77; 1847, 81; 1848, 41.
patents issued for agricultural, 1872, 291.
statistics and prices of, 1873, 78, 464.
steam agricultural, 1869, 301.
value of annual manufactures of, 1872, 291.
in the different States, 1871, 49; 1873, 62.
United States, 1872, 291.
Imports,
Angora fleece in England, 1867, 226.
for different years, 1842, 47.
from Chili, Venezuela, and Brazil, 1876, 278–291.
Galena, 1850, 563.
into Great Brirain, 1845, 1072; 1848, 715, 717; 1863, 611; 1867, 78; 1871, 453; 1873, 49, 50, 141.
New Orleans, 1849, 537, 539.
New York, 1852, 428; 1864, 591.
Saint Louis, 1850, 556.
the United States from British Provinces, 1873, 72, 73, 74.
of dry goods, 1850, 535.
of woolen goods, 1862, 257; 1865, 479; 1866, 90.
of wools, 1867, 121; 1868, 51; 1869, 54.
lake, 1852, 422.
of guano, 1870, 438.
of oils, gums, tea, coffee, etc., 1870, 205.
of sugar, sirup, and molasses, 1867, 11, 32; 1870, 214; 1873, 105; 1876, 154.
tables of, 1863, 608.
value of foreign, 1851, 515.
Impotency,
cause of, in animals, 1862, 231.
Improvement,
future agricultural, 1845, 376.
in flour mills, 1862, 423.
of land, 1854, 119; 1855, 122; 1856, 160; 1871, 252; 1874, 379.
native cattle, 1866, 294.
native grapes, 1864, 122.
pastures, 1862, 27.
Inarching,
of the grape-vine, 1869, 500.
Incubation,
artificial, 1847, 48.
Independence,
Centennial of American, 1871, 288–306.
Department in relation to Centennial, 1874, 6.
India,
jute culture in, 1876, 289.
Indian,
food products of, 1870, 404–427.
Indiana,
acres of prairie in, 1842, 44.
Agricultural College. (See College.)
as a grazing State, 1876, 373.
block coal of, 1872, 462, 464.
butter and cheese, 1873, 252.
development, 1874, 382.
digest of reports of, 1867, 353; 1868, 512; 1869, 539; 1872, 462; 1874, 381.
fences of, 1871, 504.

Indiana,
forests, wood, etc., of, 1875, 306.
hogs packed in, 1876, 232, 234, 235.
laws of, 1863, 461; 1871, 224.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35.
loss of hogs in, 1876, 111.
manufactures in, 1872, 467.
mineral fertilizers of, 1869, 570.
prices of cattle in, 1854, 13.
productions of, 1851, 494.
proportion of thoroughbred cattle in, 1876, 371, 372.
remarks on crops of, 1841, 70; 1842, 16, 18, 19, 22, 36; 1843, 27; 1844, 21; 1845, 127; 1847, 128; 1848, 537; 1849, 194; 1850, 373; 1851, 415; 1852, 285; 1853, 106; 1854, 140; 1855, 193.
societies of, 1875, 443, 444.
State Board of, 1876, 370.
tabular estimate of crops. (See Crop.)
India-rubber,
plants strictly tropical, 1876, 64.
Indigo,
cultivation and preparation of, 1845, 318, 976.
culture of, 1844, 329; 1845, 974.
native locality, etc., 1853, 255.
in Georgia in 1733, 1847, 15.
South Carolina and other States, 1843, 109; 1873, 255–261.
Indigo-bird,
food, etc., of, 1863, 303; 1864, 425.
Industrial,
education, progress of, 1876, 326.
Influence,
lunar, 1857, 550.
Influenza,
epizootic in horses, 1875, 34.
in horses, 1872, 203–247.
results of, 1874, 37.
treatment of, 1872, 242; 1873, 34.
Insect,
affecting the cotton-plant, 1857, 121; 1858, 271.
another wheat, 1845, 411.
beneficial or useful, 1865, 91; 1866, 31, 33, 38; 1868, 114.
book notice, 1868, 590; 1874, 441.
cause of the potato disease, 1844, 213.
correspondence on, 1866, 29.
Department collection of, 1869, 64.
destroying, and destroyers of, 1864, 434–436.
entomological exhibition in Paris, 1865, 88–102.
entomology, 1861, 585; 1862, 372.
experiments with, 1868, 433.
extracts from Dr. Harris's work on, 1844, 167.
horny-winged, 1868, 78.
how to collect, 1868, 305, 306.
infesting the cotton-plant, 1854, 59; 1855, 64–115.
injurious, 1860, 312, 316; 1867, 58, 243, 357; 1869, 207; 1870, 72, 526.
and beneficial, 1854, 59, 84; 1855, 115.
inventions for destroying, 1876, 323.
losses by, 1871, 237; 1873, 9, 391.
metamorphoses of, 1854, 58; 1868, 306.
methods of destroying, 1849, 342; 1862, 388; 1870, 451.
of the different orders of, 1863, 274–276, 563–565; 1864, 543–561.
on the orange-trees of Florida, 1858, 256.
various, 1849, 333, 339; 1868, 306–316.
patents to prevent ravages of, 1843, 312.
Persian powder, 1857, 129.
plants used to destroy, 1861, 223, 224, 229.
ravages of, 1849, 9.
jute a protection from, 1876, 293.
remedies for the orange scale, 1855, 117.
reports of the Entomologist, 1863, 561; 1864, 540; 1865, 33; 1866, 27; 1867, 58; 1868, 78; 1869, 60; 1870, 65; 1871, 69; 1872, 112; 1873, 152; 1874, 122; 1875, 114.

Insect,
species and families, 1871, 374.
the Nün, 1868, 268.
white wax, 1851, 57.
transformation of, 1861, 586; 1868, 306.
Institute,
Mount Airy, 1850, 578. (See College.)
of Agronomy of Würtemberg, 1850, 147.
Institution,
Albert National Training, 1865, 157.
of Germany, 1868, 137.
tables of industrial, 1871, 332; 1872, 394; 1873, 360; 1874, 350.
Instruments,
mathematical and philosophical, 1843, 321; 1845, 38; 1846, 31; 1847, 44; 1848, 21.
Interrogatory,
on animals, 1858, 79–85.
birds, fishes, and bees, 1858, 87, 88.
crops, 1858, 21–37, 60–75.
fruits, etc., 1858, 38–59.
lands, labor, etc., 1858, 17–20.
poultry, 1858, 86.
silk-worms and implements, 1858, 89.
Invention,
for cultivation by steam, 1867, 253.
list of agricultural, 1861, 637.
Investigation,
microscopic, 1871, 110; 1872, 188, 237; 1873, 183; 1874, 161, 242; 1875, 187.
Iowa,
cost of raising wheat in, 1848, 553.
digest of reports of, 1868, 515; 1869, 541; 1870, 509; 1871, 347; 1872, 476; 1873, 390.
farming in, 1872, 448.
forests, etc., 1875, 317.
for hemp-growing, 1863, 91.
hogs packed in, 1876, 232.
laws of, 1863, 462; 1864, 445; 1871, 225.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral fertilizers of, 1869, 578.
of cattle in, 1854, 13.
horses and mules in, 1854, 24.
the public lands in, 1868, 458.
poultry trade, 1874, 273.
remarks on crops of, 1850, 355; 1851, 455; 1852, 335; 1854, 190; 1855, 172; 1857, 201.
State Agricultural College. (See College.)
statistics of, 1849, 556.
tabular estimate of crop of. (See Crop.)
woolen manufactures, 1864, 179.
Ireland,
statistics of population, productions, animals, etc., 1876, 255–270.
Iris,
or orris root plant, 1855, xxiv.
Iron,
as a fertilizer, 1860, 51; 1861, 332, 579.
electrotyping of, 1844, 515.
fruit of, tree for food, 1870, 411.
improvements in the manufacture of, 1844, 465.
in West Virginia, 1863, 80.
manufacture of Cincinnati, 1849, 564.
ore in Missouri, 1872, 489.
pig, in Gallia County, Ohio, 1851, 398.
trade of Pennsylvania, 1849, 511.
Irrigation,
ancient modes of, 1850, 167–169.
(arts. on), 1850, 166–223; 1867, 193–199; 1870, 576–583; 1871, 254–271, 275–287; 1874, 352–381.
by the Moors, in Spain, 1852, 499.
cheap, 1869, 510.

Irrigation,
current facts on, 1873, 282, 283.
effects of, and time for, 1851, 162, 483; 1854, 332.
importance of, 1870, 517.
in California, 1873, 379; 1874, 352.
England, 1872, 459.
Japan, 1873, 366, 374.
Lombardy, 1870, 501.
Maine, 1876, 380.
interrogatories on, 1858, 20.
in Utah, 1869, 431; 1872, 326.
of a farm, in Vermont, 1868, 502.
Colorado, 1871, 408.
tools used in, and grading for, 1849, 353, 355.
utility of, 1850, 361; 1859, 146.
Island,
the Ionian, 1859, 100; 1864, 503.
Italy,
agriculture, farm dwellings, stables, etc., in, 1876, 283–286.
irrigation in, 1867, 197; 1874, 359.
productions of, 1859, 100.
statistics of population, productions, animals, etc., 1876, 255–270.
Ivy,
English, 1868, 205.
Irish, for hedges, 1854, 400.
poisonous, and woodbine, 1868, 204; 1869, 504.
Jalap,
Mexican, Indian, and wild, 1870, 183.
Jam,
making, 1862, 489.
Japan,
(art. on), 1873, 364–374.
horticulture in, 1861, 317.
persimmons, 1876, 68.
Jarilla,
balsam, 1870, 190.
Jasmine,
Carolina, 1868, 204.
yellow, 1868, 281.
Jatropha,
oil of, 1870, 180.
Jay,
Canada, or moose-bird, 1864, 430; 1867, 207.
the blue, 1856, 140; 1863, 284, 305; 1865, 44; 1870, 450.
Jelly,
preparation of, 1862, 489.
potato, 1845, 593.
Jenequen,
or Sisal hemp, 1869, 257–266.
Jigger,
or chigoe, 1872, 136.
Journal,
farm, 1859, 367.
list of agricultural, 1845, 1165.
Juitawan,
source and uses of, 1870, 191.
Jujube,
description and uses of the plum, 1854, xxxii.
native locality, etc., 1859, 338, 339.
of the tree at the South, 1855, 311; 1858, 384.
Juniper,
fruit of, Indian food, 1870, 411.
or white cedar, 1854, 401.
Juniper-berry,
analysis of, 1870, 107.
Jute,
(arts. on), 1871, 171–173; 1872, 167; 1873, 261, 267–272; 1874, 294–312; 1876, 289–295.
extent of, manufactures in Scotland, 1876, 291.
for cordage, 1875, 9.
grain sacks, 1873, 375.

Jute,
history and production of, 1863, 107; 1876, 290.
in Florida, 1870, 169.
the South, 1872, 420; 1875, 364.
introduction of, 1873, 6.
profits from the, domestic manufacture, 1876, 293.
quantity imported, 1872, 421.
repels the ravages of insects, 1876, 293.
specimens in the museum, 1869, 61.
Kainit,
soils and crops benefited by, 1872, 434.
Kale,
sea, 1854, xx, 380; 1870, 531.
varieties of, 1854, 340.
Kamass,
root used by Indians, 1870, 408.
Kansas,
bounty for forest trees, 1865, 234.
digest of Agricultural Report of, 1873, 394; 1874, 392.
English colonization in, 1873, 286.
fences of, 1871, 505.
forests, etc., 1875, 325.
hogs packed in, 1876, 232.
laws, 1871, 225.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
of public lands, 1868, 458.
societies of, 1875, 444, 447, 453.
species of trees adapted to, 1870, 231.
State Agricultural College. (See College).
board, 1876, 374.
tabular estimates of crops of. (See Crop).
textile and dairy productions of, 1876, 378.
the rivers, physical features and resources of, 1876, 376, 377.
Katydid,
classification and varieties, 1874, 129, 140, 442.
directions for collecting, 1868, 308.
the common, 1862, 381; 1874, 140.
Kauri,
resin, source and use of, 1870, 182.
Kentucky,
Agricultural College. (See College.)
cattle in, 1853, 7.
dairy business, 1853, 23.
Durham cattle in, 1854, 15.
fences, 1871, 504.
forest, etc., 1875, 297.
hemp-growing in, 1863, 91.
hogs packed in, 1876, 232.
laws of, 1871, 223.
live-stock, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral fertilizers, 1869, 564.
mules in, 1872, 438.
premium corn crops in, 1850, 25.
products of, 1865, 135.
remarks on crops of, 1848, 525; 1850, 265, 278; 1851, 356; 1852, 313–316.
sales of horses in, 1873, 274.
statistics of, 1849, 567.
tabular estimate of crops of. (See Crops.)
Khalcas,
use of, for food, 1860, 34.
Khoosa,
locality and use of, 1859, 21.
Khumbers,
species and use of, 1859, 22.
Khyar,
where found and use of, 1859, 21.

Kiln,
dried flour and meal, 1843, 119, 175; 1848, 254.
perpetual brick and tile, 1866, 285.
Kingbird,
habits of, 1856, 123; 1863, 281, 294; 1864, 400; 1865, 39.
time of, in Massachusetts, 1864, 353.
Kingfisher,
habits, etc., 1863, 281; 1865, 39.
the belted, 1863, 294.
Kirsenneh,
use of, 1859, 21.
Kitchen,
location and construction of, 1863, 322.
Knitting,
improvements in machine, 1844, 479; 1848, 38.
Knot-weed,
worthlessness of, 1865, 516.
Kohl-rabi,
varieties and culture of, 1854, xx, 357.
Kohmbe,
use of oil of, 1870, 174.
Kola-nut,
origin and uses of, 1870, 197.
Kolreuteria,
the Japan, for lawns, 1868, 201, 203.
Kuteera,
sources and uses of gum, 1870, 187.
Kyanizing,
process of, 1843, 340; 1861, 107.
Labdanum,
source and uses of, 1870, 186.
Label,
wooden, for plants, 1870, 620.
Labor,
average agricultural wages, 1866, 84.
Chinese, 1870, 572.
contracts in the cotton States, 1876, 131.
free and slave, 1854, 91; 1865, 119.
in the cotton States, black and white, prices, etc., 1876, 130, 135, 136.
out door, on health of women, 1866, 436.
prices in Japan, 1873, 367.
the Southern States, 1867, 416; 1874, 222.
near London, 1874, 276.
of, in Sicily, 1859, 125
relative profit of, 1862, 556.
United States and European, 1866, 89.
value of products of, 1848, 719, 721.
Laborers,
interest of the National Government in the prosperity of, 1876, 87.
Laboratory,
of the department, 1862, 22, 508; 1864, 514; 1865, 6, 46; 1866, 11, 45; 1867, xvii, 21, 31; 1868, 8, 59; 1869, 14, 65; 1870, 91; 1871, 6, 89; 1872, 4, 138; 1873, 170; 1874, 147.
Lac,
uses of different kinds, 1866, 34.
Laburnum,
as an ornamental tree, 1868, 203.
Lactometer,
description and use of, 1845, 1001; 1870, 319.
Lady-bird,
benefit of, 1863, 579; 1865, 91; 1866, 39; 1872, 127.
description of, 1854, 85; 1855, 113.
Lady-bug,
benefit of, 1872, 120; 1873, 154.
Lake,
Great Salt, 1869, 618; 1870, 559.
Haarlem, 1855, 123.
influence of, on climate, 1866, 146, 147, 157, 183.
of artificial, 1869, 174.
soda, in Wyoming, 1871, 237.

Lamb's quarter,
prevalence of, and use of, 1865, 516; 1870, 419.
Laminitis,
nature and treatment of, 1870, 368.
Lamp,
improvement of, 1843, 328; 1848, 27.
Lampblack,
improvement in the manufacture of, 1844, 513.
Land,
acres and proprietors, in England, 1864, 14.
alkali, in Colorado, 1871, 270.
cause of low price in the South, 1860, 226; 1874, 216.
cities exhausting, 1849, 13.
conveyance, 1843, 296; 1844, 501; 1845, 74; 1846, 80; 1847, 74; 1848, 43.
cultivated and uncultivated, 1848, 664, 714; 1871, 447.
in Sicily, 1859, 126.
exhausted tobacco, 1851, 274.
experiment on, for cotton, 1873, 295.
improvement of, 1853, 89; 1854, 119; 1855, 122; 1856, 160; 1858, 273; 1874, 379.
injury of, by feeding late, 1874, 402.
of farming, 1849, 31.
worn-out, 1849, 400; 1850, 332; 1851, 178; 1869, 426; 1874, 391.
owned by freedmen, 1876, 137.
pastoral, of America, 1870, 301.
profits from improving of, 1871, 252.
public, 1868, 466–471; 1874, 67–71.
reclaiming of, 1869, 449; 1871, 362; 1872, 179–183; 1873, 287.
wet, 1850, 465; 1853, 89; 1855, 128; 1873, 409.
renovating depreciated, 1869, 280.
tule, in California, 1871, 235.
values of, 1867, 102, 110, 119.
worn-out, of New Jersey, 1861, 206.
Larch,
American, 1872, 166.
European, 1854, 414; 1872, 166, 443, 473.
Lard,
average per hog, 1873, 138; 1874, 106; 1875, 94.
imports and exports, 1858, 225; 1866, 387; 1872, 64; 1873, 130; 1876, 240.
markets for, 1876, 218, 229, 242, 250.
of preserving, 1844, 430; 1862, 490.
oil, etc., 1841, 80; 1842, 39, 82, 89, 91; 1843, 117, 167, 170, 172; 1844, 513; 1847, 529.
steam rendering of, 1848, 642.
Lark,
English sky, 1853, 70.
the meadow, 1864, 427; 1865, 42.
shore, 1863, 301.
tit, 1863, 295; 1865, 40.
Larkspur,
directions for destroying the, 1865, 510.
Lathe,
improvement in, machines, 1845, 79; 1846, 90; 1848, 51.
Lath,
improvements in turning, 1843, 304; 1844, 505; 1847, 80; 1848, 52.
Laurel,
oil of, 1870, 178.
Law,
bird and game, 1864, 431, 442.
book-notice, 1872, 405.
concerning manures, 1869, 429.
corn, of England, 1842, 60.
dog, 1863, 450, 456.
European patent, 1846, 104.
fence and stock, 1869, 394, 400.
for forest growing, 1871, 378.
of weight and measures, 1871, 218.
road, 1868, 348.
Lawn,
for making, 1854, 390–393; 1863, 554; 1869, 168, 169; 1870, 543.
Lavender,
sources and uses of, 1854, 357; 1870, 180.

Layering,
the grape-vine, 1856, 418; 1857, 252.
Lead,
making sheet, 1848, 57; 1860, 462.
Leaf,
beet, for fodder, 1870, 611.
structure of, 1869, 130; 1873, 205.
value for manure, 1869, 431.
Leather,
tanning, 1843, 331; 1845, 39; 1846, 32.
water-proof, 1843, 8.
Lee, Daniel,
report of, 1849, 6.
Leek,
uses and history of, 1854, 359; 1859, 335.
Lees,
drawing off wine from, 1860, 344.
Lemon,
cultivation of, 1859, 105; 1864, 501.
interrogatories on, 1858, 56.
Lentil,
analysis of, 1865, 428.
large light-colored, 1854, xvi.
Leptostylus,
habits and remedies for, 1860, 319; 1863, 576.
Lettuce,
in experimental farm, 1865, 31.
native locality of, etc., 1859, 353.
test experiments with, 1871, 140; 1875, 366–368.
varieties and cultivation of, 1845, 973; 1854, xx, 360; 1859, 18.
Lever,
improvements and application of, 1846, 31; 1847, 44.
Library,
Department, 1869, 13; 1870, 12; 1871, 7; 1872, 5; 1873, 11; 1874, 12.
Patent Office, 1848, 14.
township, in New York, 1872, 302.
Licorice,
cultivation, etc., 1854, 358; 1855, xx; 1871, 109.
of different species, 1870, 203, 407.
paste in Sicily, 1859, 120.
Life,
animal and vegetable, 1869, 99, 105.
country, in South America, 1865, 498.
female, in the open air, 1866, 430.
Light,
Drummond, 1843, 330.
experiments on, 1869, 135–148.
in dwellings, 1859, 408.
on vegetation, 1854, 109; 1869, 134.
Lignum-vitæ,
of Pegu, 1870, 189.
Lightning,
rods, 1854, 474; 1855, 340–350; 1859, 516–524.
of the clouds, 1859, 494.
or atmospheric, electricity, 1854, 449–472.
precautions with regard to, 1859, 503.
protection against, 1854, 472; 1855, 336–356; 1859, 511.
Lilac,
for garden hedges, 1854, 414; 1871, 121.
Lily,
how to cultivate, 1863, 376, 377.
yellow-pond, as Indian food, 1870, 407.
Lime,
action of, on the soil, 1861, 579; 1869, 495; 1871, 93.
a preventive of potato-rot, 1844, 88.
as a manure, 1844, 154; 1845, 1037; 1849, 221, 302; 1853, 86; 1854, 112; 1855, 141; 1856, 201, 211, 216, 222; 1859, 152; 1867, 190, 250; 1870, 282.
burning, etc., 1856, 205, 207.
bushels, per acre, 1851, 256; 1854, 117.
carbolate of, 1871, 403.

Lime,
carbonate, and bi-carbonate, 1856, 204.
chloride, nitrate, oxalate, etc., 1856, 221–230.
oyster-shell, 1870, 495.
percentage of, in plants, 1875, 204.
phosphate of, 1852, 390–392, 406; 1856, 227; 1859, 169, 176; 1865, 384.
salt and, 1869, 430.
superphosphate of, 1853, 82; 1865, 385; 1868, 398, 503.
Lime (*a fruit*),
interrogatories on, 1858, 56.
varieties of, 1867, 142.
Limestone,
analysis of, of the various States, 1869, 552, 556, 560, 562, 566, 568, 578, 580, 582, 583; 1875, 142.
crushed, as a manure, 1856, 219.
Linden,
American and European, 1868, 198, 201.
Linen,
exports of, from Great Britain, 1855, 239; 1861, 49.
manufacture of, in England and Scotland, 1861, 75.
Ireland, 1861, 44, 45, 53.
Linseed,
meal, 1864, 261, 269, 274, 285.
oil and cake, 1863, 109, 115; 1865, 429; 1870, 180; 1872, 451.
Lion,
the ant, 1855, 107; 1864, 545.
Literature,
American agricultural, 1852, 16–22.
Live stock,
markets, 1876, 209, 250.
Llama,
and alpaca, 1845, 344; 1857, 66–70; 1865, 96.
in France, 1861, 328.
the United States, 1857, 71.
Lock,
improvements in, 1843, 256; 1844, 475; 1845, 52; 1846, 61; 1847, 60; 1848, 59.
Locust,
bugs, and plant-lice, 1868, 315.
classification, food, and use of, 1874, 129, 135, 136.
food for Arabians and Africans, 1866, 38.
habits and remedies for, 1855, 69, 70; 1864, 543; 1866, 28.
Missouri, report on, 1869, 544.
the Pacific migratory, 1871, 77.
seventeen-year, 1864, 559; 1866, 29; 1867, 67–70; 1868, 315; 1872, 122.
Western or hateful, 1867, 65, 66; 1871, 78.
various kinds and classes of, 1862, 383–390; 1871, 77, 78.
Locust (*a tree*),
culture in New Jersey, 1874, 409.
on Long Island, 1869, 420.
insects injurious to the honey, 1868, 111.
profits of growing, 1845, 981; 1874, 410.
the honey for hedges, 1854, 414; 1868, 194, 201, 245.
yellow, 1866, 479.
Longevity,
of man in four last centuries, 1859, 188.
Loom.
improvements in, 1843, 267; 1844, 479; 1845, 55; 1846, 73; 1847, 66; 1848, 37.
Loopers,
or span-worms, 1855, 90.
Loquat,
description, etc., 1867, 143.
Losh,
the Alaskan, 1870, 387.
Lotus,
uses, etc. of, 1855, xxx.
Louisiana,
Agricultural College, 1874, 327. (See College.)
products of, 1848, 512.
cotton, rice, and tobacco, 1848, 515.
fences of, 1871, 503.

Louisiana,
forests, etc., of, 1875, 282.
fruit-growing in, 1871, 157.
live stock in, 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
meteorological journal of, 1848, 520.
mineral fertilizers of, 1869, 556.
remarks on crops, 1849, 167; 1850, 398; 1852, 61.
salt mines in, 1869, 451.
sugar-growing, 1848, 513, 514; 1867, 100; 1868, 55; 1869, 435; 1873, 110, 111; 1876, 150.
tables of productions of, 1851, 498.
tabular estimate of crops. (See Crop.)
value of lands in, 1867, 106, 114; 1868, 465.
Louisville,
pork-packing in, 1876, 234.
Louse,
apple-bark, 1860, 319; 1864, 561; 1865, 205; 1870, 88.
apple-root plant, 1870, 86, 87, 513.
bird, 1874, 146.
cabbage, 1866, 30.
cattle, 1864, 561; 1867, 244.
flies, 1872, 135.
for destroying the bark, 1852, 333; 1870, 512.
grain, 1867, 243.
grape-leaf, 1867, 72; 1871, 87, 88; 1874, 127.
grape-vine root, 1871, 87, 88; 1873, 389; 1874, 127; 1876, 40, 70, 81.
hen, 1864, 545; 1874, 146.
names, and for collecting, 1868, 315.
of the plant, 1854, 79; 1864, 560; 1866, 45; 1868, 315; 1870, 87; 1872, 123.
orange-scale bark, 1855, 115; 1858, 256, 258, 259, 269.
oyster shell bark, 1867, 73; 1869, 536; 1870, 88.
pear-bark, 1860, 312; 1861, 250.
the cotton, 1854, 62; 1855, 68; 1866, 199.
Lubia,
native locality, 1859, 21.
Lucerne,
analysis of, 1865, 421.
and alfalfa, 1854, xxiii; 1869, 90.
cultivation of, 1845, 689; 1859, 131; 1860, 231; 1869, 526.
for soiling cattle, 1869, 526; 1873, 421.
in the South, 1845, 689; 1860, 231; 1870, 170; 1873, 236; 1874, 229.
Lumber,
at Chicago and Saint Louis, 1875, 349.
in Florida, 1871, 163.
Washington Territory and California, 1868, 448, 449.
Wisconsin, 1869, 359.
machines for making, etc., 1843, 298, 303; 1844, 504; 1845, 77; 1846, 89; 1847, 78; 1848, 50.
statistics, 1875, 249, 350, 354.
Lupine,
analysis of the beans of, 1861, 373.
cultivation and use of, 1861, 370–373.
in Sicily and Italy, 1859, 120, 129.
the Southern States, 1860, 230.
the white, yellow, and blue, 1864, 304, 305.
Lye,
spent, as a manure, 1844, 384.
Lyægus,
the cotton, 1855, 86, 103.
Lynx,
classification and scalp bounty, 1863, 267; 1864, 172.
Mace,
source of oil of, 1870, 181.
Machine,
agricultural, ancient and modern, 1870, 392.
an ancient reaping, 1860, 82.
a perfect sewing, 1846, 101.
carding and spinning, 1848, 35.

Machine,
ditching, 1843, 7; 1863, 435; 1866, 238; 1870, 599.
dredging and ditching, 1845, 69.
drilling and sowing, 1862, 418.
early inventions of, 1862, 7.
electro-magnetic, 1844, 440.
farming, 1863, 417, 428.
for binding grain, 1869, 327.
killing grasshoppers, 1871, 80.
laying lead pipe, 1843, 246.
sowing fertilizers, 1866, 259.
working lumber, 1843, 299.
grading, 1868, 361.
harvesting, 1848, 67.
interrogatories on, 1858, 89.
mowing, 1862, 420; 1874, 276.
shingle, stave, and lath, 1848, 51.
sowing, 1869, 322.
spading, 1867, 261.
stump and rock, 1866, 232.
thrashing, 1843, 312; 1866, 273; 1872, 290.
wood-sawing, 1866, 235.
Machinery,
agricultural, 1863, 416; 1875, 515, 516.
and farming, 1867, 238; 1870, 448.
corn-husking, 1866, 281.
for manufacturing lumber. (See Lumber.)
mills and, 1844, 502, 503.
sales of, in Oregon, 1872, 447.
value of farming, 1872, 291.
Madder,
cultivation of, 1844, 139, 311–319, 321, 323; 1848, 583–598; 1865, 341, 344.
dyers' 1847, 456–461; 1855, xxxiv–xli.
imports, 1842, 36; 1844, 311; 1845, 320; 1847, 461; 1865, 340.
in Italy, 1859, 127.
Ohio, 1844, 312.
interrogatories on, 1858, 66.
obtaining coloring from spent, 1845, 42.
product and profit of, 1843, 109; 1844, 140.
of, in France, 1847, 192; 1855, xxxvi; 1860, 165.
properties and uses of, 1865, 339.
Madia,
sativa, culture of, 1845, 967.
Magnesia, as a fertilizer, 1859, 165; 1861, 579.
compounds of, as fertilizers, 1856, 239–245.
of caustic, on lime soils, 1875, 141.
sulphate of, 1870, 617; 1871, 357.
Magnetism,
as a medicinal agent, 1843, 10.
Magnolia,
the great-leaved, and other species, 1868, 200, 203.
Magpie,
American and European, 1856, 138, 13 .
Mahogany,
culture of, in India, 1868, 448.
properties of, 1866, 482.
Mahomia,
origin and description of, 1859, 14.
Maine,
area of, 1850, 569.
canning factories, 1873, 287; 1874, 279.
cattle and horses in, 1853, 9; 1854, 15, 24.
census of, 1850, 575.
College of Agriculture, etc. (See College.)
dairy interest in, 1854, 20; 1874, 246; 1876, 381.
Dairymen's Association, 1876, 385.
digest of reports of, 1867, 335; 1868, 472; 1869, 516; 1871, 351; 1873, 402, 412.
farming in, 1876, 383.
fences of, 1871, 499.
forests, etc., 1875, 249.

Maine,
irrigation in, 1876, 380.
laws of, 1863, 457; 1864, 442; 1871, 219.
live stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
menhaden and herring fisheries of, 1876, 379.
meteorology for thirty-four years, 1850, 304.
mineral fertilizers of, 1868, 370.
outlines of the agriculture of, 1862, 39–56.
Pomological Society, 1876, 385, 388.
remarks on crops of, 1841, 71; 1842, 17; 1843, 18; 1844, 47; 1845, 139; 1847, 126; 1848, 135; 1849, 200; 1850, 218; 1851, 131; 1852, 116; 1853, 108; 1854, 126.
report on the fruits of, 1852, 32.
State board, 1876, 378, 386.
tabular estimate of crops in. (See Crop.)
the raising of horses for, 1876, 386.
value of lands in, 1867, 102, 110.
wages of farm labor in, 1848, 344.
Maize,
American climate for, 1853, 346.
analysis of many varieties of, 1849, 470; 1865, 357, 401, 425; 1870, 299.
forty days', 1854, xiv.
in France, 1875, 404.
Mexico, 1847, 411.
insects injurious to, 1868, 111; 1870, 68.
or Indian corn crop, 1841, 71; 1842, 16; 1843, 52; 1844, 58; 1845, 165; 1847, 126; 1848, 131; 1849, 84; 1850, 14; 1851, 132; 1852, 80; 1853, 103; 1854, 122; 1855, 155; 1862, 547; 1864, 4; 1865, 54; 1866, 52; 1867, 77; 1868, 20; 1869, 22; 1870, 24; 1871, 13; 1872, 9; 1873, 16; 1874, 23; 1875, 19.
paper and cloth, 1863, 436–438.
range of growth of, 1853, 337.
Syrian or doora-ësh-shamy, 1859, 20.
Malaria,
kinds of, and remedies for, 1855, 133, 134; 1857, 476.
Mallow,
experiments with, for cordage, etc., 1872, 471.
the Indian, for textile purposes, 1865, 511; 1872, 471.
pimple, as Indian food, 1870, 406.
Mammalia,
different classes of, 1863, 266.
Mammalogy,
and ornithology of New England, 1863, 265.
Mammey,
tree, the American, 1859, 348.
Manganese,
as a fertilizer, etc., 1860, 51; 1861, 579.
Mangel-wurzel,
analysis of, 1850, 51; 1865, 416.
cultivation of, 1845, 1008; 1849, 266.
desirable varieties of, 1854, xix.
experiments with, 1855, 260; 1870, 168; 1871, 139.
origin of, 1867, 305.
yield of, 1864, 283; 1873, 421, 450.
Mango,
description and uses of the, 1859, 335.
Mangold,
analysis of, 1864, 282.
cultivation and use of, 1863, 95–97; 1871, 389.
experiments with, 1870, 464.
the Silesian, 1865, 417.
Manila,
durability and preparation of, 1863, 108.
strength of, 1847, 424.
Manna,
origin of, the druggists', 1866, 38.
source, collection, and uses of, 1859, 117; 1870, 184.
Mantis,
habits of the Carolina, 1862, 377; 1866, 40; 1868, 308.
rear-horse and praying, 1852, 376.

Manufacture,
advantage of, to farmers, 1873, 75, 469.
cotton in England, 1871, 457.
in Indiana, 1872, 467.
Missouri, 1868, 524.
Morocco, 1862, 504.
of goat fleece, 1867, 225.
Massachusetts, 1845, 1172.
soaps, 1872, 474.
on the Pacific coast, 1869, 597; 1873, 67.
revenue from, 1864, 595.
slavery and, 1865, 123.
statistics of, 1851, 575; 1862, 554, 556.
stone and clay, 1843, 323; 1844, 508; 1845, 30; 1846, 32; 1847, 45; 1848, 29.
textile and fibrous, 1843, 259; 1844, 476; 1845, 53; 1846, 63; 1847, 60; 1848, 32.
woolen, 1864, 179; 1873, 65.
Manure,
advantage of chemical analyses of, 1876, 400,
application of, 1865, 368–395; 1867, 186, 192, 243; 1868, 555; 1872, 494, 497; 1873, 294.
(arts. on) 1843, 122; 1844, 377; 1845, 357–366, 690, 1039–1052; 1850, 118, 122; 1851, 7–10; 1856, 201; 1861, 144, 145, 558–584; 1864, 299–328; 1865, 368–395; 1870, 428–438.
barn cellars for saving, 1868, 478.
book notices, 1871, 423; 1872, 398.
capacity of different soils for, 1871, 236.
chemical and barn-yard, 1869, 292; 1872, 435.
Chinese mode of procuring, 1860, 468.
compost, 1854, 106; 1860, 110; 1866, 425; 1868, 486, 488.
cotton-seed for, 1850, 402; 1852, 62, 69; 1871, 404.
effect of, on plants, 1870, 618.
elements of, 1843, 122; 1871, 94; 1874, 266, 399, 434; 1875, 514.
experiments with, 1844, 153; 1860, 112, 113; 1869, 273, 279; 1872, 454, 455; 1873, 293, 398; 1874, 262.
farm-yard, 1847, 225; 1849, 20; 1860, 112, 113; 1862, 319; 1870, 429.
fish for, 1851, 186.
for corn, 1851, 154; 1852, 62; 1870, 618.
strawberries, 1861, 179.
the onion, 1869, 217, 228.
green, 1851, 247; 1864, 299–328; 1869, 497.
insects in, 1868, 111.
Jauffrets, 1843, 176–183.
laws on commercial, 1869, 429.
liquid, 1860, 112; 1869, 497.
loss of, from exposure, 1870, 441.
making pork and, 1869, 283.
mangement of, 1861, 272; 1873, 415, 473.
notes on the science of, 1860, 110–126.
of deodorizing, 1849, 305.
phosphatic, of South Carolina, 1868, 73, 74.
production of, 1876, 406.
salt and sawdust, 1861, 321, 330.
sulphate of magnesia as a, 1870, 617.
the most valuable, 1871, 477.
used in Sicily and Italy, 1859, 124, 131.
value of, 1862, 319–321; 1871, 94; 1872, 434; 1875, 508.
waste and cost of, 1871, 228, 229.
Manuring,
effect in resisting drought, 1871, 252.
green, 1870, 453, 527; 1871, 253. (See Green Manure.)
liquid, 1867, 184.
orange and citron trees, 1867, 149.
surface, 1860, 118.
Map,
centennial statiscal, 1875, 37.
Maple,
English, for hedges, 1868, 197.
insects injurious to, 1868, 111.
plea for the sugar, 1869, 420.
species for forest, 1872, 163.

Maple,
sirup and sugar, 1869, 420; 1870, 412; 1876, 159.
sugar, Norway, red, and variegated, 1868, 198, 199, 201.
the European field, 1854, 415.
hard, in ship-building, 1866, 481.
Silver, for prairie, 1862, 496; 1868, 197.
Marble,
of Rutland County, Vermont, 1862, 448–452.
Marigold,
the bur and corn, 1865, 513.
fig in Florida, 1867, 144.
Marine,
number and tonnage of vessels, 1852, 429, 430.
Marjoram,
food for bees, 1868, 281.
sweet, 1854, 361.
Market,
abuses and remedies, 1869, 448; 1870, 241.
advice to farmers in packing for, 1871, 391.
false quotations in, 1873, 247.
gardening, 1869, 447.
home and foreign, 1842, 44, 49, 50; 1843, 127, 128; 1844, 157, 159.
live stock, 1868, 56; 1869, 49; 1870, 49; 1871, 64; 1872, 90; 1873, 128; 1874, 88; 1875, 79; 1876, 209, 250.
prices, 1869, 49, 51; 1870, 49, 50; 1871, 58, 64; 1872, 82, 90; 1873, 114, 124; 1874, 110, 118; 1875, 102, 110; 1876, 242.
products of West New Jersey, 1865, 249.
review of English, 1848, 704.
surplus and, 1845, 366.
systems, 1870, 241–250.
the Madeleine flour, 1872, 453.
transportation to, 1848, 691.
value of a name, 1869, 449.
West Albany hay, 1874, 276.
Marketing,
importance of system in, 1873, 454.
in small cities, 1870, 242.
of products, 1869, 448.
Marking,
oil, sources and uses of, 1870, 180.
Marl,
analysis of, 1859, 155; 1865, 288; 1868, 63, 65, 66, 68, 69; 1869, 72, 555; 1870, 98; 1872, 138; 1873, 171; 1876, 55.
(arts. on), 1856, 234–236; 1859, 154.
book notice, 1870, 539.
classes of, in the United States, 1868, 368.
experiments with, 1844, 154; 1861, 208.
nitrogenized in compost, 1871, 253.
of the pond, 1868, 375–377.
shell, 1868, 384, 387–393; 1870, 440.
potash, principal, value of, 1868, 70.
the green sand, 1865, 286; 1868, 60; 1869, 564.
use and influence of, 1870, 96.
value of the New Jersey, 1873, 444.
Marsh,
for draining large, 1870, 587.
hay, salt, and fresh water, 1876, 296.
mode of reclaiming, 1849, 118; 1861, 343–348; 1870, 600.
reclamation of, in Massachusetts, 1876, 388.
Marten,
the American pine, or sable, 1858, 242.
Martin,
the purple, 1863, 298; 1864, 354, 414.
Marvel of Peru,
a hybrid of, 1859, 18.
Maryland,
Agricultural College. (See College.)
census of, 1850, 574.
fences of, 1871, 502.
foreign immigration, 1869, 527.

Maryland,
forests, etc., 1875, 261.
laws of, 1863, 461; 1864, 444; 1871, 221.
live stock, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
mineral fertilizers of, 1868, 383.
oyster trade of, 1869, 528.
peach culture, 1871, 144; 1872, 441.
prices of labor in, 1848, 470.
productions of, 1851, 494; 1865, 134.
relative value of lands in, 1867, 104, 112.
remarks on crops of, 1841, 70, 74; 1842, 12, 21; 1843, 22; 1844, 58, 63; 1845, 123, 168; 1847, 101, 127; 1848, 469; 1849, 128; 1850, 344, 378, 412; 1851, 266, 269; 1853, 132.
root culture in, 1868, 422.
tabular estimate of crops of. (See Crops.)
Mason, Charles,
circulars of, 1853, 182; 1854, xxxvi.
reports of, 1853, iii; 1854, iii; 1855, iii; 1856, ii.
Massachusetts,
Agricultural College. (See College.)
agricultural survey of, 1871, 234.
cattle in, 1853, 9; 1854, 16.
dairy products, 1872, 453; 1873, 246, 252.
digest of reports, 1867, 338; 1868, 479; 1869, 521; 1870, 489; 1871, 356; 1873, 419, 1874, 395.
experiments on sugar-beets in, 1873, 307.
fences of, 1871, 500.
first importation of sheep into, 1864, 253.
forests, etc., 1875, 252.
Institute of Technology. (See Institute and College.)
laws of, 1863, 458; 1864, 442; 1871, 220.
live stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
manufacturers and productions of, 1845, 1172.
mineral fertilizers of, 1868, 374.
of onions in, 1872, 449.
soluble guano, 1873, 273.
price of pine timber in, 1872, 443.
products, 1851, 494.
profits of farming in, 1874, 200.
reclamation of marshes in, 1876, 388.
remarks on crops of, 1841, 72; 1842, 19; 1843, 48, 53; 1844, 50, 59, 72; 1845, 160, 188; 1847, 143; 1848, 347, 350, 358, 361, 365; 1849, 88, 93; 1850, 196, 286, 306, 331, 379, 414; 1851, 162; 1852, 150; 1853, 108; 1854, 127, 223; 1855, 173; 1862, 555.
societies of, 1875, 448, 449.
State board, 1876, 388.
tabular estimate of crops of. (See Crop.)
wages paid for labor in, 1848, 360.
Mastic,
the, tree and its resin, 1855, lviii; 1870, 185, 186.
Matter,
constitution of, 1857, 422.
fecal, and its conversion into manure, 1844, 382.
Mattress,
wool the best, 1847, 509, 510.
Maturity,
in beef cattle, the profits of early, 1876, 309.
May,
Italian for garden hedges, 1854, 415.
Meadow,
dry and wet, and pastural lands, 1868, 424; 1873, 406.
Meal,
British and American linseed, 1864, 274.
consumption of, in West Indies, 1845, 1058.
cooked and uncooked, 1873, 291.
corn and cob, 1865, 426.
cotton-seed, 1864, 276; 1869, 284, 440, 441.
for hogs, 1873, 292.
imports and exports of, 1858, 225.

Meal,
insects injurious to corn and oats, 1868, 111, 112.
kiln-dried, 1843, 119; 1845, 388.
Measure,
weights and, of the United States, 1871, 218.
table of pounds to the bushel, 1871, 227.
Measuring,
proposed rule for, bushels, 1854, 421.
Meat,
analysis of the extract of, 1870, 105.
canning in Texas, 1872, 439.
extracts in Java, 1870, 613.
in cold and warm countries, 1864, 257.
insect injurious to, 1868, 112.
loss of weight in cooking, 1864, 258.
preserved from Australia, 1871, 238; 1872, 439.
process for preserving, 1869, 451; 1870, 612; 1871, 237.
production in Europe, 1869, 51.
selling bad, in New York, 1872, 439.
sent from Chicago and Milwaukee, etc., 1864, 255.
shipment of fresh, to Europe, 1876, 312–319.
supplies of great cities, 1870, 250–254.
use of horse, in France, 1869, 629.
Medicine,
discoveries in, 1843, 315.
veterinary, 1859, 185, 199, 205, 206.
Medlar,
locality, etc., of, 1859, 341.
Melilot,
experiments with, in the South, 1860, 230.
Melochia,
for relishing soup, 1859, 18.
Melon,
cultivation of, at the South, 1855, 313, 314.
excellent quality in Florida, 1867, 147.
experiments with musk, 1870, 169.
water, 1875, 365–368.
history of the, 1853, 325.
how to raise large water, 1869, 419.
liable to degenerate, 1863, 357.
mode of raising, 1844, 144; 1853, 325, 326; 1854, 363.
native locality of, 1859, 334.
on the Department farm, 1865, 32.
sugar from the water, 1844, 139.
varieties of, 1854, xxi, 363.
Merchandise,
(See Commerce, Exports, and Imports.)
Mesquite,
fruit, 1870, 410.
gum, 1870, 189; 1872, 452.
Metal,
and metallurgy, 1843, 248, 321; 1844, 464, 473; 1845, 46; 1846, 44; 1847, 52; 1848, 47.
and minerals of Georgia, 1866, 579.
imports and exports of, 1858, 229.
Metallurgy,
and the manufacture of metals, 1843, 248; 1844, 464; 1845, 46; 1846, 44; 1847, 52; 1848, 47.
Metastasis,
nature of the disease, 1870, 370.
Meteorology,
agricultural, 1849, 38; 1855, 357; 1856, 455; 1857, 419; 1858, 429; 1859, 461; 1869, 97; 1870, 113.
definition of, 1869, 99.
importance of a division of, 1870, 114.
of Alaska, 1869, 638.
Buenos Ayres, 1856, 274.
California and New Mexico, 1851, 477, 482.
Iowa, 1852, 338.
Ireland, 1861, 61.

Meteorology,
Maine, Connecticut, Vermont, and Ohio, 1850, 294, 482, 494, 499.
Mississippi, 1851, 564.
Russia, 1861, 35.
Texas and Ohio, 1851, 342, 370, 392.
the different States, 1855, 374; 1857, 507; 1858, 494; 1863, 622; 1864, 609; 1865, 571; 1866, 611; 1867, 429; 1868, 612; 1869, 638; 1870, 621.
various places, 1853, 349, 350, 351, 354, 358, 362, 369, 370, 375, 376, 378, 379, 382, 393, 395, 406, 413, 414, 415, 421, 422, 432.
West New Jersey and Kelley's Island, 1866, 178.
tables for different parts of the United States, 1849, 42; 1851, 604.
the sun, the foundation of, 1856, 459.
Metheglin,
preparation of, etc., 1860, 300.
Miasm,
meaning and laws of, 1863, 315–318.
Miasmæ,
nature, etc., 1857, 476–478.
Mica,
in New Hampshire, 1860, 39.
Michigan,
butter and cheese product of, 1873, 252.
cattle-raising in, 1853, 10; 1854, 16.
cost of raising horses in, 1854, 25.
digest of report of, 1867, 354; 1868, 496; 1869, 535; 1870, 499; 1871, 366; 1872, 480; 1873, 427; 1876, 394-408.
forests, etc., 1875, 303.
fruits and fruit culture in, 1868, 443; 1871, 368; 1872, 484; 1873, 428, 429, 430; 1876, 394, 402, 404, 405.
laws of, 1863, 462; 1864, 445; 1869, 537; 1871, 224.
live-stock, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
mineral fertilizers of, 1869, 572.
public lands in, 1868, 456.
remarks on crops of, 1841, 69, 70; 1842, 19; 1843, 28; 1844, 33; 1845, 132; 1847, 403; 1848, 544; 1849, 180; 1850, 309, 330, 410, 421; 1851, 404; 1852, 264; 1853, 109, 133, 160, 290; 1854, 128, 143, 151, 166, 168; 1855, 292.
sales of college lands in, 1874, 331.
societies of, 1875, 450, 452.
State Agricultural College. (See College.)
board, 1876, 394, 400.
College farm, 1867, 354.
societies, 1876, 399, 402.
tabular estimate of crops of. (See Crop.)
varieties of fruits in, 1856, 377–387.
Microscopic,
division, 1867, 11.
investigations, 1871, 110; 1872, 188, 237; 1873, 183; 1874, 161, 242; 1875, 187; 1876, 74.
Middle-man,
complaint against, 1869, 427.
indispensable, 1870, 247.
Midge,
insect destroying the wheat, 1872, 127.
the gooseberry, 1872, 127.
wheat, 1854, 74; 1862, 81; 1864, 562; 1872, 126, 127.
Mignonette,
locality of, and house culture of, 1863, 375.
Mildew,
a mixture to destroy, 1870, 87.
general remarks on, 1865, 546.
grape and vine, 1865, 16, 542, 549; 1867, 28; 1871, 116.
in wheat, 1843, 39; 1862, 77; 1865, 519.
(See Rust and Smut.)
Milfoil,
in England and in this country, 1865, 513.
Milk,
adulterations and inspections of, 1861, 330; 1870, 318; 1871, 231; 1872, 333; 1876, 418.
amounts required to a pound of cheese, 1876, 422.

Milk,
analysis of, 1864, 166; 1865, 412.
Borden's condensed, 1876, 49.
associations of producers, 1869, 449.
best dishes and pans for, 1856, 49.
substances for curdling, 1863, 388.
butter and cheese in Ohio, 1868, 510.
carrying in and setting, 1861, 419.
chemical properties of, and butter, 1849, 368; 1871, 370.
city milk supply, 1872, 332–347, 439.
composition of, 1848, 182; 1849, 368; 1855, 6; 1863, 386; 1870, 617.
condensed, 1870, 314; 1871, 182; 1872, 334.
conditions for healthy, 1876, 363.
consumption of, 1861, 209–220.
different qualities of, 1845, 1000.
effect of food on, 1848, 178.
heating, to 130°, 1875, 411.
feeding for the production of, 1876, 364, 369.
globule of different breeds of cows, 1876, 416.
improved coolers, 1869, 333.
large farm in Iowa, 1871, 230.
mould cause of blue, 1860, 96.
of different animals, 1849, 369.
types of cows, 1876, 415, 424.
obtaining cream from, 1843, 166.
plan of a room, 1861, 424.
preservation of, 1862, 490; 1868, 442.
price of, at Mobile, 1869, 440.
proportion of, to food consumed, 1863, 382.
pounds of, to make a pound of cheese, 1863, 382.
quantity of, for a pound of butter, 1847, 205; 1871, 179.
from each cow, 1852, 57; 1856, 32, 48; 1869, 358.
skimmed cheese, 1871, 177.
supply of cities and towns, 1870, 316, 320, 321; 1871, 181, 184; 1872, 332, 335.
taints in, prevention and sources of, 1876, 382, 389.
temperature for coagulating, 1863, 394.
the constituents of, 1876, 416.
to determine the quality of, 1860, 95.
remove taste of cow's food from, 1856, 50.
take care of, and put up for market, 1855, 29; 1871, 355.
transportation in France, 1868, 441.
treatment of, 1849, 386; 1865, 443; 1867, 294; 1869, 364; 1871, 364.
value of skimmed, for calves and pigs, 1876, 386.
Milkweed,
fibers of the family of, 1859, 388; 1863, 109.
roots and pods of, for food, 1870, 405.
Mill,
and machinery connected with, 1844, 502; 1845, 75.
mechanical movements, 1846, 99; 1847, 77.
bone, of the farmers of England, 1872, 435.
burr-stones of Georgia, 1849, 467.
cast-iron grain, coffee, and spice, 1847, 542.
construction of a flouring, 1862, 424.
"excentric universal," 1845, 1144.
farm and sorghum, 1863, 435; 1864, 62.
flouring, of Richmond, Va., 1864, 18.
for grinding bones, 1844, 385.
sumac, 1869, 232.
grinding and horse-power, 1843, 207.
improvements in bark, 1844, 503; 1845, 76.
cider and other, 1848, 45; 1866, 284.
flouring, 1845, 75.
grinding, 1844, 502; 1847, 77.
saw, 1843, 298; 1844, 504; 1845, 77; 1847, 79.
on the Pacific coast, 1874, 277.
Totman's wood, 1866, 237.
Millet,
for fodder, 1843, 108; 1872, 495.
hay, 1844, 142.
soiling, 1847, 193.

Millet,
Hungarian, 1856, 306.
Indian, Italian, and other varieties, 1865, 300.
or durra corn, 1854, 160, 161.
native locality, etc., 1859, 305.
the Barbadoes, in China, 1860, 474.
German, in France, 1855, xiii.
Milwaukee,
flour and grain trade at, 1876, 194, 206.
pork-packing at, 1876, 234, 235.
Mines,
copper, of Minnesota, 1863, 38.
gold, of Colorado, 1871, 409.
Oregon, 1869, 591.
iron, of Wisconsin, 1870, 503.
Georgia, 1866, 580.
Louisiana, 1869, 451, 557, 558.
Missouri, 1868, 529.
Vermont, 1873, 469.
Virginia, 1864, 34.
the gold, of the United States, 1862, 595.
Mineral,
fertilizers and manures, 1869, 548; 1870, 428.
of Colorado, 1869, 547.
Nebraska, 1871, 378.
the United States, 1862, 595.
Wisconsin, 1869, 539; 1873, 467.
poisonous to plants, 1876, 56.
(See Mine.)
Mink,
feasibility of raising, 1873, 453.
habits of, etc., 1857, 101–104.
the business, 1869, 424.
Mint,
at Philadelphia, 1850, 533; 1852, 420; 1853, 433.
Mint,
different species of, etc., 1854, 363.
Minnesota,
(art. on), 1863, 31–41.
College of Agriculture. (See College.)
digest of report of, 1873, 431–436.
fences of, 1871, 505.
forests, etc., 1875, 316.
hemp culture in, 1863, 91.
hogs packed in, 1876, 232.
land of the college, 1874, 332.
laws of, 1863, 35; 1864, 462; 1871, 225.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
mineral fertilizers of, 1869, 582.
of lands in, 1867, 108, 117; 1868, 457.
remarks on crops of, 1851, 465; 1852, 344; 1855, 194, 280; 1859, 564.
short-horn and Ayrshire cattle in, 1872, 438.
wheat crop in, 1873, 278.
Mississippi,
Alcorn University, in. (See College.)
Association, 1875, 453.
College of Agriculture in. (See College.)
cotton-growing in, 1848, 506.
forests, etc., 1875, 279.
fruit-growing in, 1871, 156.
green sand of, 1868, 69.
immigration into, 1872, 447,
laws of, 1871, 223.
live-stock in, 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1875, 35; 1876; 112.
loss of hogs in, 1876, 111.
mineral fertilizers of, 1869, 552; 1870, 440.
of land in, 1867, 108, 114; 1868, 465.

Mississippi,
remarks on crops of, 1841, 75; 1842, 16, 23; 1843, 24, 56, 77, 84, 92, 104; 1845, 176, 282; 1847, 128, 170; 1848, 505–509; 1849, 149–152, 313; 1850, 187, 257, 261, 321; 1851, 335; 1852, 62; 1853, 127, 177, 225; 1854, 129, 177, 185, 246; 1855, 174, 287, 293, 297, 298.
tea culture in, 1869, 236.
wool-growing in, 1850, 260, 365.
Missouri,
Agricultural College of. (See College.)
Association of, 1875, 453.
cattle-raising in, 1853, 11.
corn and wheat counties, 1873, 57.
currant for Indian food, 1870, 414.
digest of, report of, 1867, 361; 1868, 523; 1869, 544; 1870, 511; 1871, 369; 1872, 486.
fences of, 1871, 505.
forests, etc., 1875, 321.
grape culture, 1857, 232; 1868, 524; 1871, 372.
hemp-growing in, 1863, 91; 1868, 526.
hogs packed in, 1876, 232.
lands in, 1867, 109, 118; 1868, 456.
laws of, 1863, 463; 1871, 225.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral fertilizers of, 1869, 560.
mule-raising in, 1854, 25.
prairie in, 1842, 44; 1868, 528.
remarks on crops of, 1841, 73; 1842, 18, 20; 1843, 28, 56, 70; 1844, 56, 77, 93, 97, 104; 1845, 181, 259; 1847, 161; 1850, 367; 1852, 316; 1853, 110, 134, 161, 178, 203, 205, 241, 301; 1854, 129, 144, 186, 196, 254, 313; 1855, 175, 194, 252, 267, 280, 308.
report on insects of, 1874, 441.
School of Mines, etc. (See College.)
State board, 1876, 408.
Horticultural Society, 1876, 409.
tabular estimate of crops of. (See Crop.)
varieties of apples for, 1871, 372.
water diminishing in rivers of, 1871, 373.
wine, production of, 1867, 156.
Mite,
supposed to injure pear-leaf, 1872, 113.
Moisture,
increased by drainage, etc., 1856, 171.
sources and cause of, 1856, 165, 167.
Molasses,
cane, annual consumption of, 1876, 155.
imports and exports of, 1858, 233; 1862, 552; 1873, 105, 112.
production of, 1855, 278; 1862, 552; 1867, 32, 100; 1873, 111.
sorghum, 1862, 552; 1873, 108; 1876, 224, 252.
statistics of, 1853, 234; 1876, 155.
Mold,
action of, on crops, 1861, 268.
in cellars, 1871, 237.
of bread, 1865, 519.
on the hop, 1864, 102.
theories of the origin of, 1864, 529.
vegetable and animal, 1850, 26.
Mole,
of the family of, 1863, 267.
the silvery and the star-nosed, 1857, 97, 98, 101.
Molecule,
of organic, 1857, 440, 441.
Montana,
capabilities and productions of, 1869, 609, 610.
forests, etc., 1875, 333.
public lands in, 1868, 463.
resources of, 1871, 431–446.
table showing progress of, 1871, 448.
Moon,
influence of, 1857, 550; 1860, 96.
table showing phases, 1857, 551.

Moonseed,
the small foliaged, 1868, 205.
Moorberry,
for food, 1859, 347.
Moose,
habits and domestication of, 1851, 112, 459.
Morel,
cultivation of, 1854, 364.
Morning-glory,
for summer decoration, 1868, 205.
Mosquito,
habits and family of, 1868, 317.
the larvæ, and remedy for the bite of, 1872, 124, 125.
Moss,
Iceland, 1855, xxiv.
marine plants and Irish, 1866, 423, 426, 427.
the bearded Indian food, 1870, 424.
Moth,
cotton-worm in the Northern States, 1874, 128.
destruction of, by fires and lanterns, 1873, 168.
four native, silk-spinning, 1864, 551.
grass-worm and cotton-worm, 1873, 163.
leaves and berries destructive of the clothes, 1872, 131.
names of the native silk, 1866, 37.
the ailanthus and other foreign, 1866, 37.
American lackey, 1860, 321.
angoumois, 1854, 67.
apple or codling, 1854, 82; 1860, 315; 1864, 555; 1869, 536; 1870, 86; 1871, 375; 1872, 115.
army-worm and cut-worm, 1864, 553,
bee, 1864, 555.
boll-worm, 1855, 99; 1866, 199; 1867, 58.
canker-worm, 1864, 554.
corn emperor, 1855, 81.
cotton-arctia, 1855, 84.
Cramer, or cucumber, and gold-fringe, 1870, 84.
grain, 1854, 65; 1864, 556.
grape-berry, 1870, 86.
hawk, 1864, 549.
recent cabbage, 1871, 82.
silk-worm, 1866, 35.
yucca, 1874, 442.
Motherwort,
worthlessness of, 1865, 515.
Motion,
laws of, 1857, 422, 423.
Mouse,
various kinds of, 1856, 84–104, 109; 1857, 87, 88; 1863, 269, 270, 272.
Mower,
and reapers, 1862, 420, 422.
history of, and improved, 1866, 264, 265–367.
progress of improvement in, 1872, 287; 1874, 290.
the Buckeye, 1872, 288.
Mowha,
or Epie oil, 1870, 177.
Mowing,
close, injurious, 1869, 527.
the science of, 1845, 256.
with a hoe, 1869, 451.
Muck,
analysis of Louisiana peat, 1872, 141.
as a fertilizer, 1868, 487; 1874, 433.
an absorbent, 1874, 400.
different qualities of, 1871, 358.
for composting, 1856, 192, 193, 196; 1865, 372; 1867, 246.
from Connecticut, 1873, 172.
on sandy loam, 1869, 292.
swamp, 1856, 182–186.
Mud,
dissolved in water for grass-lands, 1874, 401.
shore, and shell fish at Eastham, 1873, 273.

Mudar,
gum, source, etc., 1870, 191.
Mukul,
or googul, origin, etc., 1870, 188.
Mulberry,
at the South, 1858, 385.
Downing's ever-bearing, 1866, 135.
failure of the *Morus multicaulis*, 1864, 485.
for propagating, etc., 1847, 440.
fruit of, in the Indian Territory, 1870, 417.
in China, 1860, 472.
India, 1872, 307.
the Northern States, 1845, 290, 821, 872.
kinds for silk-raising, 1872, 311, 312.
of, in California, 1868, 298.
paper from foliage and bark of, 1844, 289, 290.
the Alpine and white, 1845, 840.
red in Sicily and in Italy, 1859, 115, 128.
white, 1853, 77; 1854, 415.
and black, 1859, 341.
varieties of, 1843, 93.
Mulching,
advantages of, 1849, 103; 1854, 109, 111.
objects of, 1865, 22.
spent tan-bark for, 1854, 276.
Mule,
and horses, market for, at St. Louis, 1876, 224, 252.
(arts. on), 1855, 31; 1863, 180–188; 1868, 594.
correspondence on, 1854, 22; 1855, 38.
exports of, 1853, 27.
growing of, in Kentucky, 1852, 314; 1872, 438.
in Missouri, 1852, 318; 1855, 40; 1868, 517.
Morocco, 1862, 506.
Sicily, 1859, 123.
interrogatories on, 1858, 81.
large-sized, in Pennsylvania, 1855, 42.
meaning of the term, 1867, 298.
statistics of, 1863, 188, 606; 1876, 104, 112.
tractability of the, 1852, 132.
Washington's success with, 1853, 26.
Mullein,
mode of destroying, 1865, 515.
Murrain,
bloody, in Maryland and other States, 1866, 72; 1867, 97.
cattle, 1860, 252.
indefiniteness of the terms, 1870, 42.
in the South, 1869, 39; 1871, 34.
or rinderpest, 1860, 253.
Muscardine,
cause and remedies for, 1866, 36.
experiments on, 1847, 176.
Museum,
donations to the Department, 1865, 34, 570; 1866, 10; 1867, 470; 1868, 10; 1869, 636; 1870, 673; 1871, 513; 1872, 512; 1873, 477; 1874, 452; 1876, 8.
erection of a gallery in the hall of, 1876, 7.
of economic botany at Kew, 1870, 112.
the Department, 1863, 561; 1864, 540; 1865, 6, 33, 94; 1866, 27; 1867, 21; 1868, 10; 1869, 14, 60; 1870, 11; 1871, 7; 1872, 7.
report on the, and centennial exhibits of, 1876, 17.
the agricultural, of Iowa, 1869, 544.
Prussian agricultural, 1874, 274.
Mushroom,
an antidote to the poisonous, 1854, 366.
cultivation and comsumption of, 1854, 365, 366; 1876, 12, 74, 77.
fairy rings produced by, 1849, 395.
the class of plants, 1868, 231.
Music,
impnovement in instruments of, 1844, 513; 1845, 36; 1846, 38; 1847, 46.
Muskrat,
classification, etc., 1863, 270.
habits, trapping, and skins of, 1856, 105, 107.

Must,
rules for making and bettering, 1860, 348–350.
Mustard,
(arts. on), 1844, 325–329; 1845, 397, 961.
a weed in Maine, 1869, 503.
cultivation and uses of, 1854, 367.
demand for seed, 1844, 140.
in Wisconsin, 1872, 509.
of preparing, 1870, 204.
seed in Ohio, 1845, 959, 960; 1848, 160.
source and use of, oil, 1870, 181.
yield of, seed oil, 1843, 110.
Mutton,
breeds of sheep for, 1869, 381.
deficient supply of, and high culture, 1862, 254.
eating and raising, 1862, 252.
increased consumption of, 1871, 238.
preferred to beef in England, 1862, 253.
prices of, in London, 1864, 246.
production of, 1866, 347.
Mycelium,
cause of potato-rot, 1845, 516.
meaning of the word, 1849, 391; 1868, 231.
mode of destroying, 1845, 518.
of *Oidium Tuckeri*, 1874, 174.
the white and spunk, 1871, 112, 119, 120.
Myrrh,
Indian bdellium, or false, 1870, 186.
in embalming and medicine, 1870, 188.
Myrtle,
locality of and use for hedges, 1854, 402.
wax or candle berry, 1870, 204.
Myrtle-bird,
habits, nest, and eggs of, 1864, 409.
Nahor,
source and use of, oil, 1870, 178.
Nail,
history and manufacture of, 1843, 252.
machine for making horse, 1848, 61.
machines for manufacturing, 1845, 52; 1846, 54.
prevention of rusting, 1860, 81.
Nature,
balance of organic, 1857, 442.
Navigation,
and marine implements, 1843, 277; 1844, 487; 1845, 65; 1846, 78; 1847, 70; 1848, 41.
or marine of the several States, 1850, 57.
Nebraska,
acres cultivated by the College, 1874, 336.
College of Agriculture of. (See College.)
digest of report of, 1871, 376, 378; 1873, 436, 437.
fences of, 1871, 505.
forests, etc., 1875, 325, 327.
hogs packed in, 1876, 232.
laws of, 1871, 225.
list of fruit trees for, 1873, 443.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 44; 1869, 47; 1870, 47; 1871, 37; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
of lands in, 1867, 108, 118; 1868, 459.
sheep husbandry in, 1864, 193, 194.
tabular estimate of crops of. (See Crop.)
Nectarine,
cultivation of, in different States, 1854, 242, 248, 258, 264, 303; 1856, 332, 350; 1858, 381, 387, 408; 1867, 146.
injury of, by the curculio, 1865, 204.
interrogatories on, 1858, 44.
origin of, 1867, 301.
peaches, apricots, and, 1853, 282, 283.
the Etruge variety of, 1867, 136.

Needle,
the Spanish, 1865, 513.
Net,
for capturing insects, 1867, 64; 1868, 306, 311, 316; 1874, 140.
Netherlands,
high farming in the, 1866, 527–536.
Nettle,
dead or henbit, horse, and stinging, 1865, 515, 516, 517.
of feeding, to laying hens, 1870, 612.
the Australian, 1860, 139.
Chooma for cloth in China, 1860, 473.
Neilgherry as a fiber plant, 1867, 224.
Nevada,
Agricultural College of. (See College.)
alfalfa and alfalfa-seed in, 1872, 450.
fences of, 1871, 506.
live stock in, 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
public lands in, 1868, 463.
tabular estimate of crops of. (See Crop.)
New England,
apple orchards of, 1868, 472.
exhausted soils of, 1872, 494.
farming in, 1861, 251–262; 1870, 255–267.
fruit-growing districts of, 1866, 145.
potash best manure for the soil of, 1870, 489.
sheep-raising in, 1868, 477.
the native grapes of, 1859, 61.
shore fisheries of, 1873, 289.
weak point in, agriculture, 1873, 147.
value of the grass crop of, 1871, 383.
will farming in, pay? 1874, 187–214.
New Hampshire,
a model farmer of, 1872, 448.
butter and cheese of, 1873, 252.
cattle-raising in, 1853, 13.
College of Agriculture, etc. (See College).
digest of report of, 1871, 380; 1872, 490.
farming in, 1874, 191.
fences of, 1871, 500.
forests, etc., 1875, 250.
horses in, 1854, 25.
improvements in farming in, 1876, 412.
lands in, 1867, 102, 110.
laws of, 1863, 457; 1864, 442; 1871, 219.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
mineral fertilizers of, 1868, 371.
of the society of, 1875, 455.
remarks on crops of, 1841, 70, 71, 72; 1842, 17, 18, 19; 1843, 18, 42, 43, 48, 51, 53, 57, 65; 1844, 13, 37, 39, 47, 49, 54, 57, 59, 71, 89; 1845, 151, 160, 163, 165, 192, 213, 249, 300; 1847, 126, 135, 156; 1848, 131, 135, 143, 345; 1849, 199, 224, 242, 259; 1850, 408; 1851, 145, 146, 657; 1852, 148, 149; 1853, 113, 127; 1854, 208, 284, 314; 1855, 176, 218.
starch factories of, 1872, 446.
State board, 1876, 411.
tabular estimate of crops of. (See Crop.)
wheat-growing in, 1862, 96.
New Jersey,
college experiments with fertilizers, 1870, 454.
cranberry culture in, 1869, 209; 1873, 445; 1874, 171.
crops on the college farm, 1872, 372.
dairy interest in, 1853, 24.
digest of reports of, 1873, 443; 1874, 407.
forests, etc., 1875, 256.
fruit culture in, 1850, 203.
improvement of farms, 1868, 451.
lands in, 1867, 103, 111.
laws of, 1863, 460; 1864, 444; 1871, 221.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.

New Jersey,
market products of West, 1865, 249–295.
mineral fertilizers of, 1868, 61, 379; 1873, 444.
remarks on crops of, 1841, 69, 71, 73; 1842, 11, 16, 17, 18; 1843, 21, 42, 48, 66; 1844, 48, 58, 74, 91; 1845, 151, 155, 159, 160, 163, 182, 212, 434; 1847, 135; 1848, 122, 129, 130, 133, 135, 432; 1849, 113, 202, 229, 272, 289; 1850, 200, 398; 1851, 231, 232; 1852, 167, 174, 175; 1853, 114, 137; 1854, 285, 292, 299, 302, 303, 305, 307, 315.
Rutgers' Scientific School. (See College.)
small fruits in, 1868, 442.
tabular estimate of crops of. (See Crop).
the seaboard of, for fruit-growing, 1866, 148.
worn-out lands of, 1861, 206.
New Mexico,
agriculture of, 1869, 619–623.
fences of, 1871, 506.
forests, etc., 1875, 332.
lands in, 1867, 110, 119; 1868, 460.
meteorology of, 1851, 482.
remarks on crops of, 1851, 478, 483, 488; 1852, 345.
table showing longevity in, 1850, 576.
tabular estimate of crops of, 1851, 499.
wheat culture in, 1852, 348.
New Orleans,
live-stock market, 1876, 252.
prices of farm products at, 1876, 248.
Newton, Isaac,
reports of, 1862, 3; 1863, 3; 1864, 3; 1865, 1; 1866, 5.
New York,
agricultural resources of, 1852, 5.
associations in, 1873, 454; 1875, 456, 458, 459.
butter and cheese of, 1873, 252.
canal trade, 1847, 578.
cattle feeding in, 1876, 299, 300, 306.
trade of, 1852, 431; 1864, 256; 1865, 86.
census of, for 1850, 1850, 571.
cheese factories in, 1865, 433; 1873, 457.
clover-seed-raising in, 1872, 450.
commerce of, 1849, 529, 541; 1850, 563; 1851, 519, 526; 1852, 428; 1854, 490, 492, 497; 1855, 399, 403, 406, 411, 416; 1856, 499, 500, 508, 515, 520; 1863, 608, 614; 1864, 591, 598, 602.
Cornell University, etc. (See College.)
dairies of, 1854, 21; 1873, 241, 252.
digest of reports of, 1867, 328; 1868, 487; 1870, 493; 1871, 385, 390; 1873, 447.
eggs and poultry, 1873, 281; 1874, 273.
exports from the port of, 1845, 371; 1852, 430; 1862, 434.
fences in, 1871, 501.
first importation of sheep into, 1864, 253.
forests, etc., 1875, 253.
fruit-growing region, 1866, 147.
fruits of, 1849, 445; 1852, 39; 1858, 413; 1859, 61; 1866, 153; 1871, 392; 1873, 279.
horses of, 1854, 26.
immigration into, 1865, 87.
lands in, 1867, 103, 111.
laws of, 1863, 460; 1864, 443; 1871, 220.
live-stock in, 1863, 603; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
manufacture of market butter in, 1869, 360.
market garden in vicinity of, 1865, 243.
system of, 1870, 244, 251.
mineral fertilizers of, 1868, 376.
mink-raising in, 1873, 453.
oil-wells in, 1862, 441.
opening and closing of canals of, 1854, 435.
pork-packing in, 1874, 107.
prices of breadstuffs in, 1868, 58.
produce at, 1863, 614.
products of Seneca County, 1848, 425.
railroads of, 1851, 525.

New York,
remarks on crops of, 1841, 69, 70, 71, 72, 73, 77; 1842, 11, 15, 16, 17, 18, 20, 38, 39; 1843, 19, 32, 42, 48, 51, 53, 57, 69; 1844, 26, 44, 47, 50, 51, 57, 60, 69, 72, 77, 79, 90, 138, 148, 202, 229; 1845, 105, 151, 159, 163, 166, 193, 208, 219, 264, 290, 303, 311, 433; 1847, 101, 104, 117, 119, 121, 124, 125, 127, 135, 156, 164, 167, 175, 362, 402; 1848, 117, 122, 129, 130, 131, 133, 136, 137, 144, 147, 370, 401, 414; 1849, 99, 103, 109, 200, 226, 242, 244, 251, 260, 271, 288, 291; 1850, 7, 18, 21, 208, 211, 281, 386, 404, 406, 419, 426, 432, 440, 464, 467, 468, 480; 1851, 187, 192, 194, 200, 202, 204, 208, 210, 216, 221, 225, 226; 1852, 183, 184, 187, 193, 194, 196, 199, 203, 205, 209, 214, 216; 1853, 114, 137, 155, 161, 171, 178, 203, 218, 270, 277, 281, 285, 287, 290, 294, 296, 302, 314, 321, 323, 324; 1854, 130, 152, 153, 166, 191, 194, 286, 295, 300, 302, 304, 305, 307, 315, 318, 319; 1855, 177, 195, 201, 202, 204, 219, 253, 281, 293, 316; 1859, 544, 547.
receipts and prices of live-stock in, 1865, 86; 1866, 96; 1868, 56; 1869, 49; 1870, 49; 1871, 64; 1872, 90; 1873, 128; 1874, 88.
salt manufacture in, 1850, 541.
sheep husbandry in, 1873, 274.
statistics of, 1845, 1181; 1851, 494; 1866, 153.
stock-raising in, 1853, 14; 1873, 448.
tabular estimate of crops of. (See Crop.)
the greatest wheat-growing State, 1842, 11.
value of grass crop, 1871, 385.
wine-making, etc., in, 1859, 544, 547.
New York City,
annual receipt of hogs at, 1876, 236.
exports of fresh beef from, 1876, 320.
flour and grain trade of, 1876, 180, 206.
market for live stock and products, 1876, 209, 250.
prices of farm products at, 1876, 242.
Nighthawk,
benefit of, 1863, 281, 294; 1864, 436; 1865, 38; 1867, 205.
Nightjar,
benefit of, 1867, 205.
Nightshade,
poisonous qualities of, 1865, 516.
Night-soil. (See Soil.)
Nün,
of Yucatan, description of, etc., 1868, 268–270.
Nitre,
or saltpeter, as a manure, 1865, 386.
the caves in Alabama and other States, 1868, 397; 1869, 559.
Nitrate,
of soda, wastage of, 1873, 299.
use of, 1860, 121; 1872, 398, 437.
Nitrogen,
action of, on crops, 1874, 430.
experiments on the loss of, by drainage, 1871, 252.
for different crops, 1873, 299, 300.
gypsum, a source of, 1871, 93.
of vegetable mold, 1875, 513.
proportion of, in manure, 1874, 266.
quantity of, and how furnished to different crops, 1874, 399.
source of, in plants, 1845, 1046; 1847, 223; 1860, 120, 121; 1861, 573; 1871, 90; 1876, 56.
Nitrophosphate,
in the production of cotton, 1871, 244.
North Carolina,
butter and cheese product of, 1873, 252.
College of Agriculture. (See College.)
dried fruit in, 1872, 441.
forests, etc., of, 1872, 52; 1875, 266.
fruit-growing in, 1871, 148.
lands in, 1867, 105, 113.
laws of, 1869, 395; 1871, 222.
live-stock in, 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral fertilizers of, 1868, 385.
opium from, with analysis, 1873, 174.

North Carolina,
remarks on crops of, 1841, 70, 71, 73–77; 1842, 12, 16, 17, 19, 22; 1843, 24, 45, 54, 67, 73, 75, 104; 1844, 36, 52, 64, 75, 92, 103, 107; 1845, 156, 164, 171, 172, 273; 1847, 128, 168, 170; 1848, 133; 1849, 142, 221, 229; 1850, 219, 326, 368; 1851, 315; 1852, 93; 1853, 118, 144, 199; 1854, 131, 144; 1855, 253, 258; 1868, 22; 1870, 25; 1872, 11.
results of improved farming in, 1873, 285.
tabular estimate of crops of. (See Crop.)
tea culture in, 1869, 237.
the seedling grape of, 1867, 162.
Norway,
statistics of population, productions, animals, etc., in, 1876, 255–270.
Note,
from recent publications, 1869, 626.
on grape climates, 1867, 27.
the diptera, 1872, 123.
scientific, 1870, 611–616.
Notylia,
for a house plant, 1863, 376.
Nursery,
forest tree, in Illinois and Iowa, 1871, 233, 311.
the first apple tree, in New England, 1872, 281.
Nut,
culture of the chest, madeira, and pecan, 1856, 450; 1867, 147.
fruits and wines, 1854, 226; 1855, xiv; 1856, 315.
imports and exports, 1858, 231.
insect injurious to the hazel, 1868, 112.
interrogatories on, 1858, 59.
kola and betel, 1870, 197.
oil of the Brazil, 1870, 179.
the pea, 1854, 129; 1855, 259; 1867, 252; 1868, 220–224; 1870, 92, 176.
the pecan, 1870, 411.
pine, 1870, 411.
pistachio, and tree, 1854, xxxii; 1859, 118.
trees in Virginia, 1856, 450.
used by the Indians for food, 1870, 405, 411.
Nuthatch,
red and white bellied, 1863, 300; 1864, 420; 1865, 41.
Nutmeg,
description and uses of, 1870, 200.
Nutriment,
in different articles of food, 1847, 540.
Oak,
insects injurious to the, 1868, 112.
on the, 1855, li, lii.
remedy for the pruner, 1863, 576.
the ægilops, 1855, liii.
Bartram and European, 1868, 202.
black or yellow, 1866, 480.
cork, 1854, xxxiii; 1855, xviii; 1858, 334–337.
European, and bear or black scrub, 1854, 415.
evergreen, for hedges, 1854, 402.
Grammont, 1855, xvii, xlix.
kermes, 1855, l.
live, 1866, 477.
poison, as a dangerous weed, 1865, 511.
white, 1866, 475.
willow, and laurel, 1868, 200.
Oat,
analysis of eight varieties, 1847, 123; 1864, 277; 1865, 357, 401, 419, 427.
as preparatory to cotton, 1870, 464.
correspondence on, 1853, 159; 1854, 151; 1855, 202.
cost of raising, 1848, 660; 1849, 117; 1850, 154; 1853, 161; 1867, 342; 1868, 480.
crop, 1876, 91, 104.
experiments with, 1868, 480; 1869, 252, 254, 255; 1870, 164, 166; 1871, 127, 135, 136, 137, 251; 1872, 456; 1873, 233; 1874, 184; 1875, 362.
exports of, 1875, 60; 1876, 174, 176.
first cultivation in this country, 1872, 280.
for green manuring, 1864, 312.
increased yield from proper plant-food, 1876, 390.

Oat,
in Iowa, 1868, 515, 518.
Sicily, 1859, 121.
interrogatories on, 1858, 27.
native locality of, 1859, 302.
origin and history of the, 1853, 158.
price of, 1873, 45.
replies to circular on, 1851, 132; 1852, 73.
statistics of, 1876, 91.
table of sowing, yield, etc., 1848, 648.
tabular estimate of, in the several States. (See Crop.)
varieties and names of, 1843, 47; 1845, 157, 158; 1847, 123, 390; 1848, 479, 649, 651; 1849, 100, 105, 116, 123, 128, 137, 144, 172, 177, 181, 288, 289, 290; 1850, 154, 195, 261, 454, 464; 1851, 314; 1852, 226, 258; 1854, xiii, 152; 1855, 203; 1865, 28; 1866, 9; 1867, 359; 1868, 410, 411, 518; 1869, 252, 254, 255; 1870, 163, 164, 165, 166, 168, 419, 499, 503; 1871, 126, 127, 128, 135, 136, 137, 138, 410; 1872, 410; 1873, 16, 212, 233, 234, 306, 394; 1874, 184, 185; 1875, 362, 363.
varieties of, on experimental farm, 1865, 28; 1866, 9.
weight of nine varieties, 1845, 158.
yield of, 1861, 254; 1867, 2.
Observation,
in Germany by Charles L. Fleischmann, 1847, 239.
on atmospheric humidity, 1865, 520.
Occupation,
of our people, 1873, 74, 75.
Ocean,
currents, 1856, 474.
Offal,
analysis of hominy, 1873, 180.
of fish, 1870, 618.
wheat for feed, 1862, 428.
Offspring,
mental influence of parents on, 1863, 168.
weakness of, from hybridization, 1867, 304.
Ohio,
Agricultural College. (See College.)
products of, 1851, 498; 1873, 59.
as a wheat-growing State, 1842, 12.
blackberry culture in, 1871, 232.
book notice, 1873, 315.
butter and cheese in, 1873, 252.
crops in, 1876, 96.
dairying in, 1870, 324; 1871, 175, 395.
Dairymen's Association, 1876, 418, 420.
digest of reports of, 1867, 348; 1868, 506; 1869, 531; 1870, 496; 1871, 392; 1872, 498; 1874, 412.
exports of, 1845, 366.
farm stock of, 1849, 558.
fences in, 1871, 504.
fertilizers used in, 1853, 86; 1854, 117; 1855, 153.
fish culture in, 1874, 415, 416.
forests, etc., of, 1875, 300.
fruit-growing in, 1868, 444.
hogs packed in, 1876, 232.
lands in, 1867, 107, 116.
laws of, 1863, 461; 1864, 445; 1871, 224.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral fertilizers of, 1869, 568.
number and value of sheep in, 1862, 262.
remarks on crops of, 1841, 69, 70–73, 77; 1842, 12, 16, 18, 19, 26, 29, 33; 1843, 25, 28, 42, 46, 48, 52, 59, 67, 74, 90, 96, 99; 1844, 21, 22, 24, 40, 58, 66, 75, 92, 408; 1845, 108, 110, 133, 141, 157, 178, 190, 198, 252, 313; 1847, 101, 124, 128, 136, 156. 164, 169, 182, 188, 196, 212, 391, 392, 407; 1848, 129, 132, 136, 144, 185, 527, 532; 1849, 203, 227, 290, 297, 302; 1850, 6, 8, 211, 310, 344, 370, 381, 389, 395, 397, 413, 453, 499; 1851, 361–364, 368, 373, 375, 379, 383, 384, 387, 388, 390, 395, 399, 401; 1852, 243, 245, 249, 250, 252, 256, 258, 259, 262; 1853, 118, 145, 146, 178, 204, 273, 304; 1854, 131, 145, 152, 167, 192, 261; 1855, 177, 195, 219, 253, 257; 1865, 54; 1867, 77; 1868, 18, 29; 1869, 20; 1870, 31; 1871, 13–15; 1872, 10, 11.

Ohio,
societies of, 1875, 460.
State board, 1876, 414, 419.
statistics of wheat in, 1844, 408.
stock-raising in, 1853, 16, 34, 45, 56; 1854, 19, 26, 54; 1855, 42.
tabular estimate of crops of. (See Crops.)
wealth and resources of, 1849, 563; 1850, 543.
yield of crops, 1847, 392; 1848, 527.
Oidium,
dryness favorable to, and drawings of, 1871, 116; 1874, 174.
ravages of, in Zante, 1858, 353.
relation to *Erysiphe*, 1874, 176.
remedy for, 1868, 573; 1870, 498; 1871, 117.
Tuckeri, description and growth of, 1865, 325.
Oil,
animal, in making butter and cheese, 1874, 254.
Camelina sativa, 1851, 51.
castor-bean, 1845, 316, 317; 1855, xxvii; 1859, 120, 129.
coal, 1862, 429–447; 1863, 72, 525. 526, 571.
colza, 1845, 314, 400, 404; 1853, 226.
corn and lard, 1842, 39, 82, 89.
corn-meal, 1841, 4, 78.
cotton-seed, 1844, 431; 1847, 173; 1855, 236; 1870, 448.
different kinds of, and their uses, 1870, 173–181.
flaxseed, 1863, 109, 110, 115; 1872, 451.
from different nuts and seeds, 1844, 394; 1845, 314.
the fisheries, 1841, 81.
from the wax-plant, 1859, 14.
imports and exports of, 1858, 223, 232; 1870, 205; 1872, 59.
lard, 1842, 90; 1843, 117, 167, 169, 170; 1847, 529; 1866, 388.
lard and castor bean, 1841, 80.
Madia sativa, 1845, 967.
menhaden, 1872, 436.
oleaster, 1847, 192.
olive, 1862, 501; 1870, 178.
rape, 1853, 226.
the bene plant, 1845, 317, 970; 1854, 225.
ground-pea, 1847, 190.
Persian walnut, 1855, xv.
sunflower, castor bean, etc., 1842, 41.
trade, 1851, 570.
time different kinds burn, 1843, 110.
vegetable illuminating, in China, 1851, 57.
Okra,
for coffee and soup, 1844, 145, 332.
origin, culture, varieties, etc., 1854, 225, 367; 1859, 358.
Oleaster,
cultivation and use of, 1847, 192.
fruit of the Philippine, 1859, 343.
Oleomargarine,
cheese, analysis of, 1876, 48.
Olive,
history and introduction of the, 1854, xxvii.
in Morocco, 1862, 501.
Sicily, 1859, 112.
the South, 1843, 109; 1854, 322; 1855, 310; 1858, 384.
native locality of, 1859, 324.
pickling, 1855, 310; 1862, 501.
uses and description of, 1860, 33, 34.
varieties of, and suited to climates, 1876, 66–68.
vine and, in Alabama and Florida, 1866, 522; 1867, 146.
Onion,
a productive plot of, 1874, 277.
article on, 1845, 926; 1865, 235–243; 1869, 213–230.
blight and smut, 1872, 193, 194.
book notice, 1870, 528, 529.
experiments with, 1871, 140; 1875, 365–368.
fly, 1865, 238, 239; 1869, 224, 226; 1867, 73; 1872, 133.
for keeping, 1854, 368; 1864, 114.

Onion,
in California, 1851, 4.
Colorado, 1869, 605.
Connecticut, 1855, 287.
Department farm, 1865, 31.
Maine, 1873, 413, 416.
Massachusetts, 1868, 481; 1872, 449.
New Mexico, 1869, 622.
medicinal properties of, 1864, 112.
native locality of, 1859, 335.
soil and manures for, 1864, 113; 1865, 237; 1871, 359; 1874, 204.
varieties of, 1854, xix, 368; 1859, 18; 1864, 114; 1870, 169.
Oodung,
tree from Japan, 1859, 15.
Oölogy,
of birds of New England, 1864, 386–430.
Opium,
analysis of, 1873, 174; 1875, 149.
in France, 1860, 133.
Persia, Turkey, and India, 1855, xxii.
Sicily, 1859, 120.
Smyrna, 1869, 233.
the United States, 1860, 131; 1870, 206–210.
Wisconsin, 1872, 509.
Opopanax,
gum, 1870, 189.
Opossum,
the American, 1863, 273.
Orach,
culture and uses of, 1854, 369.
Orange,
blight, 1873, 200–206; 1874, 446.
Glover's experiments on trees, 1859, 540.
habitat and varieties of the, 1858, 266, 267; 1859, 337, 338.
in Florida, 1858, 267; 1862, 61; 1867, 141; 1871, 154, 169; 1874, 445.
Italy, 1867, 147–154; 1869, 635.
Louisiana, 1854, 321.
insects on the, tree, 1855, 115; 1858, 256.
in Sicily, 1859, 105.
Spain, 1864, 501.
interrogatories on, 1858, 54.
in the house of the Department, 1871, 102.
the Osage, 1848, 164; 1854, 415, 418; 1868, 194, 200, 202, 245, 246; 1869, 436.
the wild or Carolina cherry, 1854, 402.
trade in California, 1871, 233; 1872, 441.
Orchard,
article on, 1849, 271, 276, 277, 281; 1861, 232.
cultivating and pruning, 1850, 275; 1871, 271.
essay on, 1873, 403–405.
first planted for cider in New England, 1872, 281.
house, 1859, 550; 1861, 538; 1863, 549; 1864, 607.
improving old, 1849, 103; 1852, 23; 1870, 521; 1873, 405.
in Iowa, 1871, 347.
Michigan, 1849, 281; 1868, 499; 1876, 403.
New Hampshire, 1876, 413.
Wisconsin, 1871, 406.
management of, 1845, 310; 1853, 271; 1874, 419.
manuring of, 1867, 316.
northern exposure in Southern States, 1871, 149.
of New England, 1868, 472.
planting and cultivating, 1873, 471; 1874, 419.
protection of, 1862, 147–155; 1853, 274; 1870, 523.
setting and grafting of, 1851, 674; 1852, 207; 1868, 499; 1871, 347.
soil and locations of, 1852, 211; 1854, 241, 243; 1850, 448; 1869, 199; 1871, 149, 347, 372.
the pear, 1861, 232.
to make bear every year, 1845, 1048.
treatment of, 1866, 22, 23; 1872, 480.
value of products of, 1872, 281.

Oregon,
agricultural machinery in, 1872, 447.
climate unfavorable to corn, 1850, 14.
facts concerning, 1869, 584–601.
flax and linseed oil in, 1872, 451.
fences of, 1871, 506.
forests, etc., 1875, 330.
lands in, 1867, 119; 1868, 462.
laws of, 1871, 226.
live stock in, 1869 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
lumber trade of, 1849, 511.
mills and factories in, 1874, 277.
remarks on crops of, 1847, 111, 112; 1848, 123; 1850, 12, 577; 1851, 472; 1852, 352; 1853, 119, 146, 162, 173, 219; 1855, 178; 1870, 24.
salmon fisheries of, 1873, 289.
societies of, 1875, 461.
State Agricultural College. (See College.)
stock raising and dairying in, 1853, 16, 24, 34, 45, 57; 1854, 19, 26.
tabular estimate of crops of. (See Crop.)
the pea of, 1853, 223; 1854, xv, 194; 1855, 257.
Organization,
of farmers in California, 1872, 446.
our rural, 1875, 437.
Origanum,
or thyme, oil of, 1870, 174.
Oriole,
the Baltimore, 1863, 304; 1864, 427; 1865, 42.
orchard, 1856, 130; 1863, 284, 304; 1864, 427.
Ornithology,
agricultural, 1863, 287.
mammalogy and, of New England, 1863, 265.
Orris-root,
or Florentine iris plant, 1855, xxiv.
Osier,
article on the cultivation, etc., 1853, 207–210; 1873, 254, 255.
imports of, 1861, 4.
in New York, 1872, 452,
the United States, 1861, 3.
Osmoderma,
the rough and the smooth, 1860, 320.
Ostrich,
the South American, 1860, 86, 87.
Otter,
the Canadian, 1858, 246–248
Oven-bird,
habits, etc. of, 1864, 408.
Owl,
peculiarities and varieties of, 1863, 278, 291, 292; 1864, 393–395; 1865, 37.
the snowy, the barred, and the horned, 1856, 119–123.
Oxen,
cost of stall-feeding, 1864, 264.
English mode of cutting, 1844, 418.
large horns of, in Sicily, 1859, 123.
marks of judging of an, 1855, 8–13.
of breaking in New Mexico, 1851, 485.
origin of the "Durham," 1861, 441.
statistics of, 1876, 104, 113.
table of working, in the United States, 1863, 260.
the Brahmin in South Carolina, 1853, 20.
musk, 1851, 121–123.
yak, for the plains, 1858, 239–241; 1860, 87.
Oxygen,
in the oxide elements of plants, 1850, 529.
property of earths to absorb, 1870, 145.
Oyster,
American, on the coast of France, 1869, 529.
culture, 1868, 338–347.
preserving and pickling, 1862, 491.
trade and beds of Maryland, 1869, 528.

Ozone,
exhalation of, from plants, 1874, 147.
nature and test of, 1857, 475.
Palm,
edible fruit-bearing, 1859, 343.
fiber of, for cordage, 1869, 266.
oil and wax, 1870, 175, 204.
the cabbage, 1859, 352.
date, 1859, 329.
Sago, 1859, 313.
Palmetto,
use of the leaves of, 1870, 423.
root of, 1843, 112.
Pampa,
cattle farming in the, 1865, 486–502.
sheep farming in the, 1864, 223–242.
Pan,
evaporating, 1848, 321; 1862, 399.
tin, for milk, 1861, 419.
Papaw,
in Florida, 1867, 143.
tree and spirits, 1859, 331, 370.
Paper,
machinery for making, 1848, 39.
manufacture of, 1843, 272; 1847, 27.
materials for making, 1843, 323; 1844, 46, 289; 1863, 436; 1868, 261; 1869, 62; 1873, 288.
Paraffine,
distillation of, 1862, 432.
Parasite,
of destroying vegetable, in wine, 1867, 170.
the *Oidium Tuckeri*, 1865, 325.
Paris-green,
dangerous to the grape-vine, 1874, 129.
for the potato-bug and cotton-insect, 1868, 433; 1871, 75; 1873, 9, 165, 166, 167; 1874, 123, 124.
its use in agriculture, 1874, 152, 153.
Park,
book notice, 1869, 501.
Parrot,
the Carolina, 1856, 147.
Parsley,
experiments with, 1875, 367.
uses, &c., of, 1854, 369.
Parsnip,
best soil for, 1871, 358.
composition and value of, 1864, 282; 1865, 415.
experiments with, 1871, 140; 1875, 367, 368.
the cowbane or wild, 1865, 512.
student, 1870, 169.
varieties and cultivation of, 1854, xix, 370.
Partridge,
benefit of the American, 1865, 44.
habits and use of quails, or, 1863, 285, 306.
of the different species of, 1864, 372–376.
the ruffed and Canada grouse, 1856, 151, 153; 1865, 44.
Pasture,
annual product of, 1871, 385.
cheapest manure for, 1869, 526.
experiments on permanent, 1874, 262.
interrogatories on, 1858, 60.
management of, 1867, 337; 1873, 406, 425.
renovating and improving, 1845, 257; 1862, 271; 1867, 340; 1868, 426.
underdraining, benefits of, 1876, 337.
Patchouli,
origin and use of, 1870, 175.
Patent,
agricultural and other, 1837, 1, 8; 1838, 1, 5; 1839, 1, 3; 1840, 1, 4; 1841, 1, 6; 1842, 1, 113; 1843, 1, 334; 1844, 1; 1845 1; 1846, 1, 117, 211; 1847, 3; 1848, 3; 1859, 572; 1860, 477; 1870, 393; 1871, 218.

Patent,
article on, of the year, 1869, 315; 1871, 211.
fees for, in foreign countries, 1844, 435.
law for the extension of, 1844, 2.
laws of foreign countries, 1846, 104.
reports of examiners, 1844, 464, 508; 1845, 25, 45; 1846, 15, 41; 1847, 19, 50; 1848, 20, 31, 55, 63.
Patent-Office,
first volume on agriculture from, 1849, 5.
from 1840–1845, 1845, 20; 1866, 524.
history of, and legislation for, 1848, 82–86.
number of copies of, report, 1857, 25.
Paulownia,
as an ornamental tree, 1868, 200, 203.
Pea,
analysis of, 1847, 187; 1849, 487; 1850, 49; 1865, 419, 428; 1874, 149.
and beans, 1853, 221.
black-eye, 1867, 252.
chick, 1859, 317.
Chickasaw, 1845, 305.
correspondence on culture, etc., 1847, 359, 363, 368, 379, 390; 1848, 375, 476, 495; 1849, 112, 135, 138, 143, 145, 148, 158, 169, 172; 1850, 228, 251, 264, 286, 314, 336, 369, 394, 399, 424, 472; 1851, 136, 206, 276, 323, 324, 330, 334, 354, 421, 458, 464; 1852, 81, 83, 90, 121, 126, 130, 149, 196, 201, 282; 1853, 223; 1854, 194; 1855, 256.
cow, 1853, 225; 1864, 314; 1874, 149.
everlasting, 1868, 205.
experiments with, 1856, 314; 1871, 140; 1875, 365.
flat, 1859, 317.
for green manuring, 1864, 313, 314.
ground, 1847, 190; 1855, 259; 1867, 252.
history of, 1853, 222; 1859, 317.
how to destroy bugs in, 1849, 341.
insects affecting, 1849, 340.
Japan and Oregon, 1853, 223, 224; 1854, 194; 1855, 256, 257.
Rocky Mountain, 1845, 305.
varieties of, 1854, xiv; 1859, 18; 1865, 29; 1866, 10.
Peabody-bird,
habits, nest and eggs of, 1864, 422.
Peach,
a good manure for, 1851, 224.
analyses of leaves of, 1872, 197.
apricots and nectarines, 1853, 282–284.
book notice, 1870, 517.
correspondence on, 1853, 284; 1854, 298; 1855, 297.
effect of rapid growth, 1851, 369.
for different localities, 1856, 333, 350, 352, 372, 374, 382, 389, 391, 396, 400; 1858, 380, 387, 390, 394, 400, 407, 415, 416, 419.
fungoid diseases of the, tree, 1871, 119.
grafting on the almond, 1859, 131.
how to preserve, 1862, 492.
in Delaware, 1845, 954; 1865, 194; 1866, 150; 1868, 443; 1871, 143; 1872, 441; 1874, 271.
Florida, 1867, 146.
Maryland, 1854, 244; 1871, 144; 1872, 112, 441.
Michigan, 1866, 183; 1869, 536; 1872, 481; 1873, 428.
Mississippi, 1854, 248.
Missouri, 1852, 321; 1868, 526
New England, 1863, 352.
New York, 1853, 285.
Ohio, 1869, 534.
insects injurious to, 1868, 113.
interrogatories on, 1858, 44.
in Texas, 1854, 302.
Utah, 1870, 568.
Virginia, 1867, 251.
Wisconsin, 1870, 505.
native locality, etc., 1859, 339.
new varieties of, 1856, 405.
of budding on plum, 1865, 203.
destroying the borer, 1858, 380; 1869, 534; 1870, 87, 520; 1871, 396.

Peach,
of preserving the health of, 1853, 286; 1862, 153.
the leaf-blister, 1863, 551.
profit of an orchard, 1871, 399.
propagation, etc., 1865, 191–194.
receipts of, in New York, 1871, 232.
remedies for, worm and yellows, 1845, 956; 1850, 96, 236, 268, 421; 1852, 112, 231; 1853, 258, 285; 1854, 298; 1865, 206; 1872, 196, 486.
stocks for budding on, 1856, 327.
synonyms of, varieties of, 1864, 150; 1867, 137; 1875, 386.
the varieties for culture in Missouri, 1876, 410.
to protect from frosts, 1858, 381.
trees and treatment of, 1845, 956; 1850, 96, 97, 183; 1851, 253; 1852, 113, 327; 1861, 330; 1862, 153.
pruning, 1876, 407.
yellows of, 1872, 195.
Pear,
air-tight bandages, 1849, 103,
analysis of the, tree, 1849, 475.
article on, 1853, 277, 278; 1858, 374; 1861, 232–251; 1862, 177; 1869, 198–204.
book notice, 1869, 487, 488.
cause of the blight, 1851, 403; 1854, 243; 1862, 152; 1863, 574; 1868, 120; 1869, 204; 1872, 191.
correspondence on, 1853, 279; 1854, 292; 1855, 296.
cultivation and soil for, 1863, 350; 1866, 145; 1876, 410.
diseases of, 1870, 506; 1871, 118.
directions for the culture of, 1861, 543.
for New Hampshire, 1852, 28.
in California, 1869, 501.
Connecticut, 1858, 390.
Florida, 1867, 146.
influence of the stock, 1865, 202; 1872, 481.
in Georgia, 1858, 392, 393.
Illinois, 1858, 395.
Indiana, 1872, 463.
Massachusetts, 1858, 396; 1868, 482; 1869, 521.
Michigan, 1858, 399.
Mississippi, 1849, 166; 1854, 250; 1871, 156.
New England, 1861, 255.
New Jersey, 1858, 402; 1868, 442.
New York, 1858, 414.
Ohio, 1858, 416.
Pennsylvania, 1858, 419; 1871, 400.
insects injurious to, 1860, 312, 1872, 116.
in South Carolina, 1850, 236.
interrogatories on, 1858, 40.
in the District of Columbia, 1858, 390.
the South, 1858, 379.
Virginia, 1858, 421; 1871, 146.
Vermont, 1872, 441.
list for general cultivation, 1870, 492.
names and description of favorite varieties, 1862, 179–193; 1863, 122–127; 1864, 142, 143, 605; 1865, 188, 189, 190; 1866, 133, 134; 1867, 137–139; 1875, 377–381.
native locality and varieties of, 1859, 344, 549.
of planting in hedge rows, 1854, 416.
originating new varieties, 1854, 227.
philosophy of dwarfing, 1866, 20.
preservation of, 1862, 492.
preserving, 1870, 491.
remarks on culture, etc., 1847, 195; 1848, 356, 379, 381, 383, 384, 385; 1849, 103, 145, 164, 165, 166, 170, 186, 282, 439, 446; 1850, 93, 221, 224, 343, 408; 1851, 133, 138, 199, 202, 207, 242, 249, 280, 321, 378, 403, 422, 431, 442, 444, 457, 477, 492; 1852, 28, 33, 34, 37, 38, 42, 84, 112, 129, 138, 212, 249, 265, 272, 298, 321, 335; 1853, 258, 277; 1854, 229, 231, 233, 235, 239, 242, 245, 248, 256, 259, 262, 267, 272, 281, 292, 416; 1855, 296; 1856, 329, 330, 336, 344, 352, 355, 363, 388, 395, 399, 401, 402, 405; 1858, 40, 374, 379, 386, 390, 392, 393, 395, 399, 402, 414, 416, 419, 421, 423, 426, 427; 1859, 344; 1860, 312; 1869, 198; 1871, 103.
remedy for blight, 1849, 447; 1850, 93; 1851, 457; 1865, 206; 1868, 120; 1869, 204; 1870, 500; 1872, 191; 1850 418; 1854, 296.
reports on, 1856, 329, 330, 336, 344, 352, 363, 364, 380, 388, 395, 399.

Pear,
size and yield of, in Europe, 1876, 410.
stock for dwarfing, 1856, 327.
the blight, 1872, 188–191.
prickley, 1860, 33; 1870, 417.
slug, 1870, 78.
orchard, 1861, 232–251.
theories of the cracking of the tree, 1862, 151.
treatment of the standard, 1866, 20, 21.
two crops in one season, 1854, 278.
variation or sport, 1872, 404.
varieties for a succession, 1850, 94.
Peat,
in smelting iron, 1867, 342.
manurial value of, 1869, 431.
Pebrine,
in France, 1868, 301, 304.
silkworms' eggs, 1870, 240, 241.
remedy for, 1872, 308.
Peccary,
resemblance to swine, 1865, 97.
Pelidnota,
injuries of, and remedy for, 1863, 567.
Pemican,
preparation of, by the Indians, 1870, 426.
Pennsylvania,
Agricultural College of. (See College.)
butter and cheese of, 1873, 252.
cattle-raising in, 1853, 16; 1854, 19; 1855, 24.
dairy interest in, 1853, 24; 1855, 30.
digest of reports of, 1871, 396.
experiments on college and other farms, 1869, 252; 1871, 239; 1873, 304.
forests, etc., 1872, 51; 1875, 257.
hay fork, 1849, 365.
horses and mules in, 1853, 34; 1854, 27; 1855, 42; 1862, 336, 344.
laws of, 1863, 460; 1864, 444; 1871, 221.
lands in, 1867, 103, 111.
live-stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871; 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
mineral fertilizers of, 1868, 382.
remarks on the crops of, 1841, 69, 70, 71, 72; 1842, 11, 16, 17, 18, 26; 1843, 21, 42, 44, 58, 59, 72, 99; 1844, 21, 29, 56, 74, 79, 138; 1845, 101, 155, 159, 163, 187, 251, 502, 917; 1847, 101, 104, 119, 121, 127, 135, 403; 1848, 117, 122, 125, 132, 135, 185, 250, 436, 454, 455, 660, 664, 667, 670, 676, 687, 692; 1849, 121, 201, 221, 256, 289, 301, 302, 365; 1850, 1, 5, 6, 9, 10, 11, 22, 116, 117, 149, 190, 205, 212, 246, 305, 415, 419, 436; 1851, 234, 236, 238, 239, 241, 244, 250, 253, 256, 259, 260; 1852, 223, 224, 227, 233, 235, 237, 241; 1853, 86, 119, 147, 173, 201, 219, 220, 286, 305; 1854, 117, 132, 224, 266, 275; 1855, 153, 155, 179, 196, 200, 203, 220, 253, 259, 266, 281, 300, 309, 312, 317; 1867, 78.
societies of, 1875, 462, 463.
tabular statement of crops of. (See Crop.)
Peoria,
flour and grain trade of, 1876, 197.
Pepper,
Chili, or bird, in Texas, 1855, 288.
insect feeding on red, 1868, 113.
Japan, New Holland, long, and betel, 1870, 202.
Malaquetta, Guinea, and Jamaica, 1870, 200.
red, a remedy for cabbage-lice, 1873, 289.
sweet, for salad, 1854, xxii.
varieties and cultivation of, 1854, 372.
water, or smart-weed, 1865, 516.
Peppermint,
cultivation and oil of, 1849, 387–390; 1870, 179.
Periodical,
list of the agricultural, etc., 1867, 404; 1868, 608; 1870, 544.
Persimmon,
in the Indian Territory and Arkansas, 1870, 417.
shipment of, to Chicago, 1874, 272.
the Japan, 1876, 9, 68.

Peru,
agriculture in and exports to, 1876, 278.
Petroleum,
for fuel, 1862, 432.
in destroying dry rot, 1870, 620.
West Virginia, 1863, 526.
Pewee,
habits and benefit of, 1863, 294; 1865, 39.
the wood, and the phebe-bird, 1863, 294; 1864, 401.
Pheasant,
or ruffed-grouse, 1856, 151; 1864, 362.
the common, 1865, 98.
silver, golden, blue and Impeyan, 1865, 99.
Phenomenon,
periodical, 1854, 435; 1870, 121.
Philadelphia,
annual receipt of hogs at, 1876, 236.
exports of fresh meat from, 1876, 320.
flour and grain trade of, 1876, 183, 206.
markets for live-stock and products at, 1876, 212, 252.
prices of farm products at, 1876, 244.
Phosphate,
crops especially influenced by, 1872, 398.
in soils of New England, 1868, 430.
mineral, in France, 1875, 509.
of lime, value of, 1852, 390; 1867, 193.
South Carolina, 1868, 73, 74, 75, 76, 387, 398, 400; 1869, 529; 1870, 539, 540.
the most important of, 1845, 1039.
Phosphorus,
sources and importance of, 1852, 390; 1859, 166; 1868, 401.
Phylloxera,
American and French, 1871, 87; 1874, 442.
and *Pemphygus*, 1874, 127.
habits and remedies for, 1870, 87; 1871, 88; 1873, 160, 389.
loss from, in France, 1871, 87, 88; 1874, 442.
prize offered for mode of propagation of, 1873, 289.
Physiology,
of breeding, 1862, 222.
vegetable, 1870, 613.
Pickle,
and canned corn, 1874, 279.
directions for making, 1862, 492.
Pig,
book notice, 1870, 537.
Chester County, 1865, 476.
confinement of, 1865, 478.
of fattening, 1870, 466.
washing and cinders for, 1860, 85.
whey and skimmed milk for, 1876, 386.
white whiskered peccary and Andaman, 1865, 101.
Piggery,
a model, 1865, 476–478.
Pigeon,
the family of, with species, 1863, 305.
passenger, or wild, 1856, 148; 1863, 285, 305; 1864, 380, 381.
Pigeon-berry,
poke-weed, or, for asparagus, 1865, 516.
Pigment,
coal-tar for insects, 1844, 516.
Pike,
in Hudson Bay Territory and Alaska, 1870, 387.
Pimento,
allspice or Jamaica pepper, 1870, 200.
Pimpernell,
use and cultivation of, 1847, 193; 1860, 230.
Pin,
making and sticking by machinery, 1843, 254; 1844, 474.
Pinang,
use and effects of, 1870, 197.

Pine,
Carolina yellow, white and red, 1866, 478, 479, 482.
desirable species for culture, 1872, 165.
insects frequenting the, 1868, 113; 1870, 71.
nuts and seed of, for food, 1870, 411.
pitch, for floors in England, 1873, 284.
plantations on Cape Cod, 1873, 283.
the stone, 1860, 32.
Pine-apple,
in Florida, 1867, 143; 1871, 170.
origin and history of, 1859, 331.
Pipe,
best substances for water, 1871, 426.
directions for laying, 1863, 322.
glass water, in France, 1843, 327.
machine for laying, 1843, 246.
of manufacturing lead, 1843, 258; 1844, 476; 1845, 52; 1846, 54; 1847, 58; 1848, 47.
Pipsissewa,
fruit of, for food, 1870, 414.
Pisciculture,
article on, 1860, 301–311; 1866, 394–423. (See Fish.)
Pistachio,
different species of, 1859, 322.
in Sicily and Italy, 1860, 33.
Plague,
cattle, in Europe, 1865, 550–569; 1867, xiii.
the Texas cattle, 1869, 541.
Plain,
forest cultivation, 1872, 316–332.
the great, of the West, 1857, 294; 1870, 303.
Hemstead, 1869, 427.
Plant,
absorption of arsenic by, 1860, 137.
analysis of southern fodder, 1874, 149.
the ashes of, 1845, 363, 1040.
basis of soil for, 1869, 490; 1874, 263.
benzine for, 1861, 332.
book notice, 1868, 577; 1870, 533.
carbon and nitrogen in, 1847, 223; 1874, 148.
Chinese, desirable in the United States, 1848, 749.
paper and grass-cloth, 1860, 139.
circulation in, 1870, 615.
climbing and herbaceous, 1868, 203, 205.
conditions of life and progress of, 1864, 329, 330, 332, 339.
cultivating and propagating, 1863, 556–560.
deterioration and new varieties, 1854, 228, 229; 1855, 269; 1867, 296.
distributed from propagating garden, 1865, 5; 1866, 8; 1867, xv.
distribution of the pollen of, 1857, 475.
effect of coal-gas on, 1875, 147.
different temperatures on, 1857, 503, 504, 505; 1862, 150; 1865, 16; 1870, 125; 1871, 236.
heat on, 1857, 486, 488.
extension of the roots of, 1844, 184.
feeding of different species, 1847, 512, 513.
fibrous, of Yucatan, 1869, 266.
food, providing proper, 1876, 389.
forage, in Prussia, 1864, 499.
force, gravity, weight, and electricity on, 1869, 100, 108, 134, 152.
for promoting fruitfulness in, 1863, 553.
fungoid diseases of, 1871, 110.
geography of, 1863, 464–525.
green manurial, 1864, 301.
growth of forage, 1869, 87.
house, 1861, 333; 1863, 366–381.
hybridizing, etc., of, 1867, 296–317.
in Europe and the United States, 1857, 490.
influence of climate on, 1869, 500.
in the arboretum, 1868, 122.
government garden, 1859, 2–21; 1860, 32, 33.

Plant,
laws of development of cereal, 1874, 260.
list of, for the Southern States, 1863, 6.
marine, 1866, 423.
nutritive value of, 1860, 129.
notes on beneficial and injurious, 1847, 521.
of Alaska, 1868, 187.
origin of species, 1860, 94.
pods of the unicorn, for food, 1870, 422.
poisonous to cattle, 1874, 159.
potash and phosphorus in, 1849, 19.
protection of, from frost, 1860, 131; 1870, 131.
qualities of the soap, 1851, 5.
remarks on textile, 1854, 174.
setting, watering, and cultivation of, 1854, 331, 332, 333; 1870, 615, 618.
size of, in California, 1851, 4.
soiling, 1858, 60.
sources of the nutrition of, 1848, 213, 223, 232; 1852, 379; 1860, 123; 1861, 564; 1867, 30, 244; 1871, 363; 1872, 461.
substances contributing to the growth of, 1871, 89.
tables of the phenomena of, 1854, 436.
tests of the seeds of, 1870, 168.
that best improve land, 1850, 65.
the bene, 1845, 317, 970; 1854, 225, 339; 1855, 287.
Chinese tea, 1874, 7.
collection of economic, 1876, 10.
hop, 1864, 97.
Ramie, 1867, 11.
sexuality of, 1838, 57; 1867, 296.
Victoria pie, 1859, 566.
transpiration of, 1871, 253; 1874, 147.
used as food, 1859, 299–362.
in the arts, 1855, xxxiii.
variations of, 1874, 278.
wild flowering, 1862, 155.
Plantain,
in Louisiana, 1855, 314.
the common and the English, 1865, 515.
narrow-leaved, for cattle, 1860, 230.
Plantations,
economy, 1873, 458.
large cotton and corn, in Georgia, 1872, 448.
small sugar, in Louisiana, 1869, 435.
Planter,
corn, 1869, 323; 1870, 400; 1871, 215; 1874, 292.
cotton, 1866, 263; 1869, 324; 1874, 293.
hand, 1869, 324.
potato, 1866, 253, 254.
seed, 1848, 66; 1866, 260; 1869, 322; 1870, 400.
Planting,
by colored men, 1867, 420.
roads and avenues with trees, 1869, 177.
table showing time of, etc., 1848, 646.
trees near buildings, 1869, 178
Plaster,
an absorbent of ammonia, 1844, 380; 1851, 255.
and guano for grass-land, 1844, 381.
a preventive of potato-rot, 1844, 88.
as a fertilizer, 1856, 231–234; 1859, 163; 1871, 93.
first introduction of, 1852, 18.
for old pastures, 1869, 526.
sprinkling stalls, 1852, 174.
wheat and clover, 1853, 160; 1856, 231; 1862, 85.
importation of, 1858, 230; 1859, 161.
in New York, Virginia, and Nova Scotia, 1868, 377, 395.
on clayey lands, 1851, 138.
clover, grass, and corn, 1852, 175, 283; 1853, 82.
the potato, 1870, 528.
quantity per acre, 1852, 117; 1856, 234.
Pleuritis,
similarity of, to influenza, 1872, 204.

Pleuro-pneumonia,
cattle-diseases, 1860, 239–267,
in Maryland and other States, 1868, 37; 1869, 38; 1870, 42.
Massachusetts, 1865, 568.
introduction and diagnosis of, 1874, 411.
in Upper Savoy, 1864, 504.
similarity to influenza, 1872, 204.
treatment of, 1860, 246, 263; 1869, 438; 1871, 34; 1872, 34.
Plover,
the family of, 1863, 306.
killdeer, 1865, 44.
Plows,
and scarifiers, 1866, 241–252.
anti-friction wheel, 1843, 311.
cast-iron, first patented, 1862, 9; 1870, 395.
common and others, 1862, 413–417.
cost of cultivating by the steam, 1874, 281, 282.
English, and plowing, 1859, 239–260.
history of the, 1868, 494–496; 1870, 394–397.
improvements of the, 1844, 509; 1845, 28; 1846, 18; 1847, 20; 1869, 319; 1871, 211.
number of factories, 1872, 284.
steam, in Germany, 1873, 287.
the American steam, 1869, 305–318.
gang, 1874, 285.
steam, 1860, 82; 1861, 315; 1863, 420; 1867, 255, 257, 258; 1870, 404; 1871, 213; 1873, 376.
steel and other, 1863, 417–425, 434.
trenching and ridging, 1847, 544; 1870, 593.
used by the early colonists, 1872, 278.
Plowing,
deep, advantage of, for prairie, 1858, 284; 1868, 512; 1871, 353.
by steam, 1861, 315.
effect of, 1861, 281; 1872, 458.
experiments in, 1845, 1034; 1869, 295; 1874, 258; 1875, 513.
necessity for, 1847, 230.
profit of, 1869, 530.
for flat and rolling ground, 1871, 371.
in the fall, 1867, 237.
winter in England, 1860, 159.
steam, 1863, 27; 1867, 4, 275, 277, 278, 279; 1870, 8, 449, 511; 1873, 376.
subsoil, 1844, 151; 1845, 1036; 1860, 107; 1866, 245.
superiority of English, 1859, 240.
Plum,
black knot on the, tree, 1853, 291; 1854, 306; 1863, 572; 1872, 175; 1874, 173.
correspondence on, 1853, 288; 1854, 304; 1855, 300.
cultivation of, in various localities, 1858, 382, 387, 391, 408, 418.
curculio, preventive of the, 1876, 405, 411.
description of fine varieties of, 1864, 148, 149; 1865, 190.
wild, 1865, 207; 1869, 446.
desirable varieties, 1850, 98.
for New Hampshire, 1852, 29.
in Florida, 1867, 146.
interrogatories on, 1858, 46.
jujube, 1854, xxxii.
origin and history of, 1853, 287; 1859, 340, 349.
preservation of, 1862, 493.
profits of the culture of the, 1876, 405.
reports of, from different States, 1853, 288; 1856, 350, 353, 372, 383, 389, 398, 400.
the curculio in Michigan, 1873, 428.
weavil and gouger, 1870, 68, 70.
to destroy, curculio, 1850, 97; 1853, 288, 290, 291; 1874, 272.
to make, trees bear, 1843, 231.
tree injured by frost, 1850, 183.
use of the beach, 1854, 405.
varieties in Maine, 1853, 289.
of the common, 1863, 352.
Pneumatics,
hydraulics and, 1843, 310, 325; 1844, 508, 513; 1845, 82; 1846, 96; 1847, 76; 1848, 48.
Poisons,
mineral, affecting plants, 1876, 56.

Pollen,
in hybridizing, 1867, 296–299.
transportation of, by the wind, 1857, 475.
Pomegranate,
in Florida, 1867, 144.
Georgia, 1858, 384.
native locality, etc., 1859, 342.
of the seedless, 1860, 34; 1862, 502.
Pomological,
Society, Maine State, 1876, 385, 388.
Michigan, 1876, 402.
Pomology,
American, 1852, 23, 32; 1856, 328.
horticulture and, 1849, 428, 429, 445.
of the South, 1858, 377–386.
progress of, in Michigan, 1871, 368.
society for the advancement of, 1870, 149.
Pond,
of artificial, 1869, 174.
Pronga,
oil, source and use of, 1870, 174.
Poplar,
common, for lumber, 1866, 482.
insect injurious to, 1868, 113.
the Lombardy, for hedges, etc., 1854, 417; 1868, 197.
tulip, for streets, 1868, 198.
Poppy,
field, corn, and prickly, 1865, 510.
in North Carolina and other countries, 1873, 174.
Wisconsin and California, 1871, 140; 1872, 509.
oil from, 1843, 110; 1870, 180.
the opium, 1855, xxi, xxii; 1869, 233; 1870, 206–209.
Population,
increase of, in Florida, 1871, 161.
in parts of Virginia, 1864, 21, 25, 30, 32.
West Virginia, 1863, 45.
of the loyal and disloyal States, 1862, 560.
United States, 1857, 48.
rural, of Russia, 1855, 19.
tabular estimate of, in different States, 1843, 12; 1844, 11; 1845, 90, 381; 1847, 547, 562; 1848, 92.
Porcupine,
the Canadian, 1857, 91.
white-haired and yellow-haired, 1863, 272.
Pork,
American and Irish, 1842, 104, 105.
amount of, produced, 1876, 235, 239.
Eastern city, packing, 1873, 140.
exports of, 1854, 476–500; 1855, 396–471; 1856, 498–521; 1857, 30–35; 1858, 224, 225; 1862, 600–613; 1864, 598; 1865, 80–82; 1867, 127; 1868, 52; 1870, 63; 1872, 108; 1876, 239.
for the English market, 1844, 417, 430.
how to salt for family use, 1851, 146, 411.
market prices of, 1869, 52; 1870, 56; 1871, 58; 1872, 82; 1873, 114.
markets for, 1876, 218, 223, 242–250.
of making, in Connecticut, 1850, 180.
raising cheap, 1852, 292; 1853, 55.
on Pratt's farm, 1865, 457.
packing, 1875, 94–98; 1876, 230–241.
at Cincinnati, 1845, 1028, 1866, 383, 386.
in Canada, 1876, 238.
the principal cities, 1876, 234.
West, 1847, 655; 1848, 638; 1849, 493; 1850, 544; 1863, 198–215, 619; 1869, 51; 1871, 67; 1872, 111; 1873, 137; 1874, 103; 1876, 230.
winter and summer, 1876, 230, 235, 236, 239.
preservation of, 1862, 491.
prices for five years in New Orleans, 1848, 786.
raising in Michigan, 1871, 367.
Ohio, 1871, 395.
Virginia, 1867, 252.

Pork,
salting beef and, 1845, 1158.
summer, Pacific, and seaboard, packing, 1874, 107.
trade in Chicago, 1863, 617.
Portugal,
statistics of population, productions, animals, etc., of, 1876, 255–270.
Posts,
machine for boring, 1842, 95.
process of preserving, 1843, 241; 1873, 283.
timber for, 1844, 458.
to prevent frost lifting of, 1870, 139.
Potash,
article on, 1860, 36–41.
as nutriment to plants, 1861, 578; 1871, 92.
crops most improved, 1872, 398; 1873, 300.
for New England soil, 1870, 489.
German salts of, 1875, 507.
in plants and trees, 1845, 1040; 1850, 69.
wheat, 1871, 94.
mode of manufacturing, 1842, 81, 82.
on fruit trees, 1870, 618.
potatoes, 1870, 459; 1871, 249; 1874, 256.
quantity of ashes to make a ton of, 1842, 38.
retention of, by the soil, 1873, 300.
Potatoes,
analysis of, 1847, 137; 1849, 50, 261; 1857, 165; 1864, 282; 1865, 413; 1869, 75; 1870, 616.
and salt, 1845, 590.
articles on, 1843, 57–65; 1844, 198, 200–229, 237, 243, 256; 1845, 191–248, 461, 464, 466, 471, 472, 474, 481, 484, 490, 548, 556, 572, 576, 580, 590, 593, 597, 608; 1848, 135–143; 1849, 269; 1852, 354–372; 1853, 168–170, 175; 1854, 162, 163, 373–375; 1855, 205; 1856, 248; 1868, 225–244.
as an article of food, 1841, 72.
substitute for the, 1845, 206.
blight, 1845, 486, 526, 548, 592; 1872, 198–203; 1873, 186.
book notice, 1870, 527.
by the Plymouth Colony, 1872, 280.
conditions necessary to, 1849, 41.
correspondence on, 1853, 170; 1854, 165; 1855, 218.
crop, 1876, 91, 104.
crops of, in different States. (See Crops.)
degeneration of, 1855, 210; 1867, 315.
disease in, 1845, 489, 494, 497, 498, 500, 501, 509, 513, 515, 521, 523, 527, 532, 536, 540, 568, 572, 575, 580, 601, 602, 612, 616, 617, 618, 622, 623, 624, 628, 647, 650, 652, 655, 658, 660, 661, 664, 666, 667, 673, 676; 1847, 351; 1853, 172.
experiments with, 1843, 136; 1845, 603; 1847, 415; 1855, 206, 212, 218; 1867, 188; 1869, 272; 1870, 459; 1871, 246; 1874, 256; 1875, 513.
farina, 1875, 390, 391.
for seed, 1847, 245; 1854, 164.
fungoid, theory of the, disease in, 1845, 556, 620, 681; 1847, 153; 1848, 564; 1873, 186.
how to raise, 1849, 264; 1853, 171.
imports and exports, 1858, 232.
in Colorado, 1869, 605; 1874, 280.
Iowa, 1872, 449.
Ireland, 1845, 589; 1846, 10.
injuries of the fly, 1863, 569.
in Maine, 1869, 519; 1871, 356.
Massachusetts, 1868, 481.
New Jersey, 1865, 273, 277.
New York, 1869, 448.
Ohio, 1865, 295–299; 1868, 509; 1869, 533.
insects injurious to, 1868, 114,
interrogatories on, 1858, 34, 36.
names of varieties, 1843, 64; 1844, 81, 82, 203, 206, 207, 208, 209, 210, 214, 217, 218, 220, 224, 225, 228, 230, 231, 232, 235, 238, 242, 254, 255, 258, 264; 1845, 213, 469, 471, 494, 537, 540, 553, 558, 559, 580, 583, 588, 591, 601, 603, 604, 608, 613, 619, 623, 625, 626, 627, 671; 1847, 356; 1848, 137, 160, 457, 480, 570, 572; 1849, 118, 260; 1850, 201, 212, 252, 253, 283, 293, 303, 312, 392, 420, 474, 477, 479; 1851, 133, 137, 172, 184, 198, 207, 219, 220, 230, 234, 248, 255, 274, 368, 374, 378, 428, 491; 1852,

Potatoes,
74, 112, 118, 129, 156, 194, 204, 224, 226, 237, 243, 245, 256, 258, 277, 308, 320, 331, 337, 341, 344, 353, 360, 364, 368; 1853, 169, 170, 171, 172, 173; 1854, xvii, 166, 167, 168, 169, 373, 374; 1855, 207, 208, 212, 218, 219, 220, 221; 1857, 165; 1862, 52; 1865, 32, 273, 297, 298; 1866, 10; 1867, 359; 1868, 237, 238, 239, 240, 241, 242, 243, 244, 432, 481, 509; 1870, 407, 409, 459, 615; 1871, 246, 247, 248, 249, 371; 1872, 449; 1873, 193, 286; 1874, 256.
on experimental farm, 1865, 32; 1866, 10.
origin, locality, etc., of, 1859, 308, 309.
planted with a plow, 1876, 414.
planters and diggers, 1866, 253–256; 1869, 325; 1870, 402; 1871, 216.
planting, etc., 1845, 597, 603, 611; 1847, 390; 1848, 569, 654; 1850, 266, 468; 1860, 137; 1869, 272, 273, 293; 1871, 371; 1874, 272.
preservation of, 1854, 165, 167; 1861, 333; 1869, 451; 1871, 236.
qualities of varieties, 1871, 248, 249, 371; 1872, 449.
range of the culture of the, 1872, 294; 1873, 317.
remedy for disease in, 1845, 489, 495, 533, 537, 580, 584, 662, 672, 686; 1848, 572; 1849, 263; 1856, 248; 1861, 332; 1872, 202.
starch factories, 1872, 446.
of the, 1845, 203, 557, 563, 565, 568, 608; 1872, 202.
statistics of, in the several States, 1876, 91.
sugar of, 1844, 308; 1845, 203.
sweet, 1847, 380, 390; 1850, 265; 1851, 349; 1853, 177, 226; 1854, 168, 374; 1855, 222, 223; 1862, 220; 1867, 251; 1869, 419; 1874, 233.
the bug, 1868, 433; 1870, 75; 1871, 237; 1872, 120.
rot, 1843, 61; 1844, 79–88, 206, 220, 245, 265; 1845, 206, 270, 484, 525, 526, 528, 531, 533, 537, 538, 542, 546, 548, 573, 603, 614, 627, 629, 631, 636, 639, 644, 647, 655, 656, 658, 661, 665; 1847, 139, 142; 1848, 136, 564–568; 1853, 175, 177; 1867, 352; 1872, 198; 1873, 186.
use of diseased, 1845, 663.
value of crop of, 1874, 32.
worms not poisonous, 1870, 80.
yield increased with proper plant food, 1876, 390.
of, 1850, 101; 1851, 4, 473; 1852, 414; 1854, 164; 1861, 254; 1862, 52; 1863, 59; 1867, 238, 342; 1869, 418; 1873, 286; 1875, 48.
Poudrette,
as a manure for the onion, 1869, 217.
poisonous effect of, on plants, 1860, 119,
preparing, applying, and kinds of, 1865, 387, 388.
Poultry,
article on, 1844, 405–408; 1845, 1030, 1032; 1862, 345, 358–372; 1870, 329–346; 1872, 443; 1873, 281.
book notice on, 1870, 535.
causes of failure in keeping, 1868, 456.
correspondence on, 1853, 74.
destructive to insects, 1862, 388.
facts about, 1864, 273.
gapes, 1869, 423.
how to fatten, in a short time, 1860, 85.
free, from vermin, 1869, 424.
interrogatories on, 1858, 86.
of spurred rye upon, 1853, 226.
prices of, 1853, 142.
productiveness of different breeds of, 1861, 328.
profits of, 1845, 347; 1847, 214, 360; 1855, 63; 1861, 261; 1867, 357; 1868, 485; 1869, 422; 1873, 282, 1876, 402.
raising, for market, 1862, 345–358.
hints on, 1876, 401.
on the farm, 1874, 274.
statistics of, in France, 1848, 194.
to make, lay in the winter, 1847, 215.
Powder,
Bickès's chemical azotic, 1849, 467, 468.
Power,
grinding and horse, 1843, 297; 1844, 503; 1845, 76; 1846, 101; 1847, 77; 1848, 46.
laws of the mechanical, 1846, 31; 1862, 411.
Prairie,
acres of, in Illinois, Indiana, Missouri and Arkansas, 1842, 44.
book notice, 1870, 543.
cultivation of, 1845, 382.

Prairie,
origin of, and adaptation to forests, 1872, 317, 319.
potato or bread-root, 1870, 408.
productiveness of the first-year, 1868, 528.
sheep raising on, 1862, 300.
timber on, 1862, 495.
water for, 1867, 230, 235.
Premium,
crops in Ohio, 1868, 508.
disproportionate, 1872, 447.
farms in Michigan, 1847, 355.
Preserver,
improvement of life, 1844, 489.
Press,
cotton and cheese, 1844, 516.
wool, 1848, 24.
Price,
current, of produce at Liverpool, 1844, 420, 426.
of agricultural products, 1848, 750.
articles of the dairy, 1848, 673.
corn, corn-meal, barley, and oats exported, 1876, 175, 176.
cotton, 1876, 138.
farm crops, 1863, 592, 599; 1864, 574, 577; 1865, 63, 66; 1866, 61, 62; 1867, 87, 90; 1868, 31, 34; 1869, 32, 35; 1870, 34, 37; 1871, 25, 29; 1872, 20, 24; 1873, 25, 26; 1874, 30, 33; 1876, 91, 104, 242.
products, 1869, 51; 1870, 56; 1871, 58; 1872, 82; 1873, 114; 1874, 110; 1875, 103.
flour and wheat exported, 1876, 175.
gold, 1863, 611.
grain at Chicago, 1876, 191–194.
grapes in California, 1873, 287.
labor in the cotton States, 1876, 130.
live stock, 1876, 112, 209, 250.
at Brighton, 1852, 431.
skilled labor near London, 1874, 276.
sugar, 1876, 154.
rye and rye-flour, exported, 1876, 176.
transportation, 1848, 691.
wheat, 1848, 716.
wool, 1862, 262, 263.
Printing,
anastatic, 1845, 33.
machines for, 1843, 321; 1844, 517; 1847, 47; 1848, 26.
mills and dies for, 1848, 26.
Privet,
for hedges, 1854, 403.
the Japanese, 1868, 197.
Privy,
and water-closets, 1863, 329; 1874, 436.
Product,
importance of variety, 1858, 219.
marketing of, 1869, 448.
market, of New Jersey, 1865, 249.
wastefulness of farm, 1871, 234.
Production,
decrease of, in Ireland, 1864, 497.
diversity of agricultural, 1867, 247.
foreign, 1868, 435.
of sorghum and sugar, 1865, 307.
the Ionian Islands and Italy, 1859, 100.
statistics of, in the disloyal States, 1862, 568.
loyal States, 1862, 561.
Progress,
in the manufacture of the beet-sugar, 1869, 334.
cheese, 1870, 310.
of agricultural science, 1860, 79; 1861, 314.
a hundred years, 1872, 274.
industrial education, 1869, 452; 1870, 467; 1871, 306; 1872, 348; 1873, 321; 1874, 312.
Propeller,
Ericsson's, on Lake Erie, 1843, 229.
improvements of, 1846, 79; 1848, 42.

Propeller,
screw, improvements in, 1844, 487.
spiral, 1845, 66.
Provisions,
cured, and cattle, 1845, 1057.
Davison's invention for curing, 1845, 1160.
reports of breadstuffs, &c., 1849, 500; 1850, 532; 1851, 512; 1852, 430; 1853, 38, 50, 75, 102, 128, 154, 165, 181, 202, 234, 238, 243, 255, 261; 1854, 476; 1855, 422; 1856, 497; 1857, 30; 1858, 221; 1861, 290; 1862, 600; 1863, 608; 1864, 598; 1865, 80; 1866, 94; 1867, 127; 1868, 47, 52; 1869, 54; 1870, 62; 1872, 64; 1873, 84; 1874, 74.
for the English market, 1842, 104; 1843, 218; 1844, 416; 1845, 1155; 1849, 424.
inferiority of exported American, 1844, 414.
position of the American trade, 1844, 427.
preservation of, 1849, 10.
prices of, in Chicago, 1863, 210.
New York, 1847, 565.
quantity of, exported, 1848, 735.
review of the English markets for, 1848, 704.
trade with England, 1843, 130.
Prune,
d'Angen and Saint Catherine, 1854, xxx.
in Florida, 1867, 146.
the Northern States, 1855, xx.
Pruner,
the oak, with remedies, 1861, 615; 1863, 576; 1871, 72.
Pruning,
apple-trees, the time for, 1876, 393.
directions for, 1863, 552; 1870, 522.
errors in, 1871, 233.
peach-trees, the time for, 1876, 407.
root, 1863, 554; 1870, 512.
the grape-vine, 1866, 97.
pear-tree, 1868, 121; 1869, 201; 1870, 512.
Prussia,
agricultural museum of, 1874, 274.
forage plants in, 1864, 499.
progress of agriculture in, 1857, 1.
statistics of population, products, animals, etc., of, 1876, 255–270.
Psilla,
the, pear-tree, 1864, 560.
Psychrometer,
description of August's, 1865, 521.
Ptarmigan,
the white-tailed and willow, 1864, 370, 371.
Publication,
book notices, 1870, 517; 1871, 410; 1872, 398; 1873, 311; 1874, 437.
Puddling,
constructive and by deposition, 1871, 260, 261.
Pump,
a cheap forcing, 1871, 496.
importance of a good, 1867, 241.
patents for, 1846, 98; 1847, 76; 1848, 49.
Pumpkins,
African variety of, 1845, 973.
article on, 1854, 208.
experiments with, 1875, 366.
hybridization of, 1863, 357; 1867, 313.
large yellow-fleshed, 1854, xxi.
native locality of, 1859, 333.
preservation of, 1862, 491.
size of, in California, 1851, 6.
varieties and cultivation of, 1854, 375.
yield from two seeds, 1843, 233.
Purpura,
description of, etc., 1872, 215–218, 246.
Purslane,
distribution and uses of, 1859, 355; 1870, 422.
receipt for dyeing with, 1844, 141.
Putty-root,
description and uses of, 1870, 190.

Pyrethrum,
botanical character, etc., 1861, 226.
description and uses of, 1857, 129; 1874, 133; 1861, 229.
resemblance to other plants, 1859, 13, 19.
Quadrupeds,
of Illinois, injurious and beneficial, 1856, 52; 1857, 72; 1858, 241.
Quail,
the American partridge or, 1865, 44.
Marsh, 1864, 427.
Virginia, 1863, 306.
usefulness of, 1863, 285; 1875, 123.
Quassia,
origin and uses of the plant, 1855, lix.
Quince,
Chinese, 1845, 310.
correspondence on, 1853, 295, 296; 1854, 303.
in Florida, 1867, 146.
interrogatories on, 1858, 42.
of preserving, 1862, 493.
the orange, and Portugal, 1864, 144, 145.
origin, etc., of the, 1853, 295; 1859, 341.
profit of, in Ohio, 1869, 444.
reports on, 1856, 351, 356, 372, 384, 396; 1858, 385, 391.
Quinoa,
description, etc., of the white, 1854, xiii.
Quittor,
description and treatment of, 1870, 371.
Rabbit,
common gray or hare, 1857, 77–84.
of the family of, 1863, 272.
the swamp, 1857, 85, 86.
white, 1857, 84.
Rabbit-foot,
origin and worthlessness of, 1865, 511.
Raccoon,
habits, etc., of, 1858, 254; 1863, 268.
Radiation,
atmosphere for, 1865, 528; 1869, 126.
results of, 1869, 128.
Radish,
early market, 1865, 245.
experiments with, 1870, 169; 1875, 365–368.
native locality of, 1859, 327.
of Japan, 1859, 549.
oil from seed of, 1843, 110.
size of, in Alabama, 1852, 70.
the fly, 1867, 73.
horse, 1854, 354; 1859, 327; 1865, 245.
wild, 1865, 510.
varieties of, 1854, xviii, 376.
Rag,
weed, 1865, 513.
woolen, as a manure, 1860, 117.
Ragged-robin,
blue bonnets of the Scotish, 1865, 514.
Rail,
the great red-breasted, 1856, 155, 156; 1863, 285.
Rail-car,
Lake's automatic, 1866, 240.
Railroad,
business of, 1851, 524.
cheap horse, 1842, 46.
improvements in, 1843, 289; 1844, 497; 1845, 70; 1847, 72.
influence of, on value of farms, 1862, 554.
miles of, in Iowa, 1868, 516.
monopoly of, 1867, viii.
the Union Pacific, 1868, 455; 1871, 276, 277.
Rain,
ammonia from, 1871, 90.
in California, 1874, 352.
England and the United States, 1860, 160.

Rain,
influence of electricity on, 1871, 374.
forests on, 1871, 354, 373, 378; 1872, 326; 1873, 384.
in Ireland, 1861, 62.
Japan, 1873, 365.
Russia, 1861, 37.
the Northern States, 1862, 205.
of the production of, 1858, 460.
proportion of, in surface drainage, 1872, 330.
simple mode of measuring, 1858, 461.
tables of the amount of, 1853, 340, 341, 360, 368, 384, 405, 411; 1854, 427; 1858, 494; 1872, 323.
Rake,
acres per day, with a horse, 1872, 289.
different kinds of hay, 1863, 429.
improvements in the horse, 1845, 18; 1847, 20; 1848, 67; 1867, 239; 1874, 289.
spring-toothed horse, 1866, 277; 1869, 327.
Tracy's revolving, 1866, 277.
Rams,
engravings of noted, 1864, 187, 189, 195, 199; 1866, 340, 355; 1867, 247.
Ramie,
articles on, 1867, 220–225; 1873, 261, 262–267.
in the Southern States, 1867, 426; 1870, 169, 170; 1873, 6.
names, and price of, 1869, 11, 12.
production and value of, 1875, 9.
specimens in the museum, 1869, 60.
use of, by the Chinese, 1867, 11.
Ramtil,
source and uses of oil of, 1870, 175.
Rape,
analysis of the, plant, 1847, 191.
colza and, 1853, 226; 1854, 349.
culture in Wisconsin, 1870, 450, 503.
oil from, seed, 1842, 41; 1843, 110; 1847, 190.
price of seed, 1870, 450.
source and uses of oil, 1870, 181.
yield per acre, 1842, 93; 1850, 190; 1870, 450.
Raspberry,
article on, 1861, 165–174.
best varieties of, 1850, 100; 1863, 354; 1866, 135, 136.
correspondence on, 1853, 320; 1854, 318.
culture of, 1858, 388, 411; 1861, 542.
directions for different varieties, 1870, 23.
ever-bearing Catawissa, 1854, 318.
from Japan, 1869, 79.
hardy varieties of, 1866, 21.
history and habits of, 1853, 320.
in Iowa, 1868, 520.
New Jersey, 1865, 282; 1871, 397; 1874, 271.
New York, 1863, 354; 1868, 442; 1870, 441.
insects injurious to, 1868, 114; 1870, 67.
interrogatories on, 1858, 53.
of Nebraska, 1865, 208.
reports on, 1856, 341, 356, 372, 385, 389, 400.
the Elisdale, 1865, 209.
Ohio ever-bearer, 1854, 319.
Western wild, 1870, 414.
wild black-cap, 1854, 319.
to protect from frost, 1862, 153; 1866, 21.
Rats,
and mice, 1856, 108, 109, 110.
best modes of destroying, 1863, 272.
scientific names of, etc., 1863, 269.
the pocket-gopher or pouched, 1857, 72–77.
Ration,
for laborers in the cotton States, 1876, 135.
percentage to weight of animals, 1869, 627.
Reaper,
a day's work for a, 1872, 289.
American in Hungary, 1871, 236.
article on, 1874, 288.

Reaper,
at the exposition, 1872, 287.
first patent in this country, 1872, 287.
history of, 1866, 264.
mowers and, 1862, 420.
with engraving, 1866, 266, 267.
work performed by, 1872, 286.
Rear-horse,
habits, etc., of the, 1854, 88; 1874, 133.
the Carolina, 1862, 376; 1866, 40; 1868, 308; 1874, 133.
Reciprocity,
effect of the Canadian, 1868, 3.
imports under, 1873, 73.
opposition to the renewal, 1869, 7.
Reclamation,
of marsh-lands, 1870, 600–611.
swamp, in California, 1872, 179–187; 1873, 380.
Red-bird,
the summer, 1863, 298; 1865, 42.
Red-bud,
as an ornamental tree, 1868, 201, 203.
Red-poll,
the lesser, 1863, 301; 1865, 42.
Red-stark,
the American, 1863, 298; 1864, 412.
Reduvius,
the coach-horse, 1855, 110.
red-edged winged, 1855, 94.
wheel or wheel bug, 1866, 43.
Reed-bird,
habits, names, etc., of the, 1856, 126, 127; 1863, 303; 1864, 425; 1865, 42.
Refiner,
Youngman's evaporator and, 1866, 287.
Reflector,
for light-houses, 1844, 515.
Reform,
necessity for agricultural, 1870, 114.
Register,
climatic of the United States, 1873, 316.
Illustrated, of Rural Economy, 1868, 581; 1869, 509; 1871, 425.
meteorological, of Toronto, 1872, 221.
Remedies,
and preventives of disease in farm animals, 1876, 107, 109.
Rennet,
chemical composition of, 1863, 388.
directions for preserving, 1848, 621.
saving, curing, and using of, 1876, 419.
Report,
digest of the State Agricultural. (See under the names of States.)
first of the Department monthly, 1863, 580.
for various. (See Architect, Chemist, Commissioner, Editor, Entomologist, Examiner, Exhibition, Meteorology, Pomology, Statistician, and Superintendent.)
of Dairymen's Association, 1871, 414.
the botanist, 1869, 91; 1870, 108; 1872, 159; 1874, 156; 1875, 151.
Commissioner of Agriculture, etc., of Ontario, 1872, 404.
Paris Exposition, 1867, 163.
on insects of the State of Missouri. (See Missouri.)
the sea-fisheries of New England, 1874, 443.
Reservoir,
for irrigation, 1871, 262.
Resin,
gums and, 1870, 181, 182, 187.
Resources,
of the Southern States, 1865, 102.
Rhatany,
native locality and uses of, 1855, lx.
Rhode Island,
Agricultural College. (See College.)
capital of factories in, 1873, 460.
density of the population of, 1873, 459.

Rhode Island,
farming in, 1874, 202.
fences of, 1871, 500.
fish-breeding in, 1874, 418.
forests, etc., 1875, 252.
lands in, 1867, 103, 111; 1873, 459.
laws of, 1863, 459; 1864, 443; 1871, 220.
mineral fertilizers of, 1868, 376.
of grape-vines in, 1871, 402.
live stock of, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869. 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
patents to citizens of, 1873, 459.
products of, 1851, 494.
remarks on crops of, 1843, 19; 1844, 66; 1849, 96; 1850, 328, 475; 1851, 169; 1852, 147; 1855, 221.
Society of Domestic Industry, 1867, 342; 1871, 402.
tabular estimate of crops of. (See Crop.)
value of crops of, 1865, 66; 1866, 61; 1867, 91; 1868, 35; 1869, 32; 1870, 34; 1871, 25; 1872, 20; 1873, 26; 1874, 30; 1875, 28.
Rhodium,
source and use of oil of, 1870, 181.
Rhododendron,
book notice on, 1871, 413.
moisture and shade necessary for, 1876, 63.
Rhubarb,
analysis and uses of, 1850, 524, 525; 1865, 50.
cultivation and varieties of, 1854, 376; 1855, xxv; 1865, 245.
different species of (*Rheum*), 1871, 105, 106.
in New Jersey, 1865, 274.
insect on the dried root of, 1868, 114.
in Steiermark, 1848, 604.
the wild, of Cabul, 1861, 528.
Ribbon,
manufacture of silk, 1868, 287, 290.
Rice,
acclimation of, 1843, 3.
analysis of, and of the straw, 1844, 131.
Canada wild, Fundi, and a new species, 1845, 288, 289.
correspondence on, 1853, 164; 1854, 160; 1855, 256.
culture, 1850, 323; 1867, 174–179.
experiments on upland, 1871, 245.
with golden, 1870, 466.
exports of, 1853, 165, 166; 1854, 159; 1858, 225; 1871, 44.
for tabular estimate of, and remarks on. (See Crop.)
gold, on upland, 1850, 289.
in China, 1847, 174; 1860, 470.
Italy, 1874, 366.
Japan, 1873, 367, 368.
Sicily, 1859, 121.
South Carolina, 1849, 305; 1852, 87; 1854, 153; 1870, 466.
interrogatories on, 1858, 29.
in the Philippine Islands, 1843, 145.
on experimental farm, 1865, 28.
upland, 1850, 461; 1852, 84, 313.
origin and history of, 1853, 164; 1854, 153; 1859, 304.
production, 1871, 43.
upland variety in Illinois, 1844, 130.
Mississippi, 1849, 154.
value of the wild, for hay, 1855, 256
wild, of Minnesota, 1863, 38; 1870, 422.
yield, etc., in the different States, 1848, 658; 1854, 160.
Rice-bird,
habits, etc., of the, 1856, 127; 1863, 303; 1864, 425; 1865, 42.
Rinderpest,
can it be transmitted in dry or salted hides, 1876, 321, 322.
carbolic acid a remedy for, 1870, 611.
in Europe, 1865, 4, 550–569.
on repealing law against, 1867, xiii.
Ring-bone,
nature, cause, and treatment of, 1870, 366, 367.

Ringing,
fruit-trees, 1863, 554.
Rio Janeiro,
exports to, 1876, 272.
Road,
book notice, 1871, 429.
charcoal, 1845, 1168.
common, 1843, 287.
construction of, and walks, 1869, 165, 167.
country, 1866, 538–567; 1868, 348–366.
plank, in Canada, 1843, 227.
to keep, in repair, 1870, 493.
Robin,
the American, 1860, 88; 1863, 282, 295; 1864, 425; 1867, 202, 205.
European, 1870, 90.
golden, 1864, 353, 427.
Rock,
and stump machinery, 1866, 232.
book notice on, 1870, 539; 1871, 428.
Indiana, oil, 1865, 53.
machine for drilling, 1847, 73.
sandstone, 1850, 33, 34; 1865, 49.
the lower strata of, 1869, 548.
Rockery,
directions for a, 1869, 173, 174.
Roller,
and harrow and the iron, 1863, 425, 427.
cheap and improved, 1866, 251; 1869, 325.
the serrated, 1874, 286.
Roof.
metallic, 1844, 500.
Root,
as stock food, 1864, 281, 282; 1865, 413; 1867, 340; 1872, 492.
crops, 1850, 160; 1863, 95. (See Crop.)
culture, 1868, 421, 558, 565; 1869, 421.
food concentrated, 1869, 284.
of the Indians, 1870, 404–428.
for soiling, 1859, 446, 452.
insects injurious to herbaceous, 1868, 110.
pruning, 1868, 121.
soil and manuring for, 1871, 358.
Rope,
American and Russian hemp, 1845, 260.
China grass and Russian hemp, 1855, 245.
kyanizing, 1861, 107.
Roquet,
origin and cultivation of, 1854, 377.
Rose,
book notice on, 1869, 508.
for hedges, 1854, 403, 417; 1868, 245.
hybridization of, 1867, 306.
insects injurious to, 1868, 115.
remedy for the slug, 1870, 78.
swamp and wild, 1865, 511; 1870, 414.
the ash-leaved, 1870, 415.
varieties of, for the house, 1863, 369.
the moss, 1869, 508.
Rose-apple,
description of, 1859, 336.
Rosemary,
varieties of, and for hedges, 1854, 377, 403.
Rot.
(See under, Apple-speck, Cranberry, Grape, Potato, Sheep, and Tobacco.)
Rotation,
adapted to the South, 1874, 234.
correspondence on, 1854, 122; 1855, 155.
different systems of, 1853, 227; 1854, 120; 1872, 507; 1873, 476.
experiments and, 1872, 378.
extract of essay on, 1872, 495.
in Michigan, 1871, 367.

Rotation,
in South Carolina, 1871, 404.
Virginia, 1870, 273.
of crops, article on, 1850, 125; 1865, 18.
importance of, 1848, 375; 1849, 213.
in Germany, 1847, 326.
Italy, 1876, 285.
product of a farm doubled by, 1873, 465.
Roumania,
statistics of population, productions, animals, etc., 1876, 255–270.
Rubber,
imports of, 1873, 144.
improvements in, fabrics, 1844, 511; 1845, 39, 40.
of preparing and manufacturing, 1847, 24; 1848, 73.
process of softening, 1846, 28.
sources of, etc., 1870, 190, 191.
Rue,
cultivation and uses of, 1854, 378; 1869, 91.
Ruminants,
American, 1851, 104.
Rural,
book notice, 1868, 581; 1869, 509; 1871, 425.
organizations, history of our, 1875, 437.
Rush,
injury of the soft, to rice-fields, 1865, 518.
Russia,
consumption of cotton in, 1857, 372.
encouragement of agriculture in, 1857, 1.
exports of, 1864, 498; 1873, 50.
flax in, 1861, 30.
foreign trade and railways of, 1873, 141.
statistics of population, productions, animals, etc., 1876, 255–270.
wool-growing in, 1868, 445.
Rust,
cause and prevention of, 1843, 39; 1847, 108.
in wheat, 1844, 435, 436; 1845, 407; 1865, 519; 1862, 77.
preventives of, 1845, 145, 420; 1848, 125; 1850, 443; 1869, 294.
remedies for the onion, 1870, 529; 1873, 210.
Ruta-baga,
analysis of, 1865, 417.
cultivation of, 1854, 200; 1863, 98.
in Massachusetts, 1871, 359.
quantity of manure for, 1871, 359.
Rye,
acreage, yield, product, and value of, in the several States, 1876, 91.
analysis of, 1847, 125; 1861, 271; 1865, 357, 401, 426.
article on, 1853, 154.
correspondence on, 1853, 155; 1854, 149; 1855, 200.
crops of, in the different States. (See Crop.)
exports of 1876, 173, 176.
for green manuring, 1864, 312.
gigantic Siberian, 1845, 162; 1854, 149.
imports and exports of, and meal, 1858, 225.
in Iowa, 1858, 518; 1869, 543.
Massachusetts, 1867, 341; 1868, 481; 1872, 280.
New England, 1861, 254; 1862, 52.
Ohio, 1873, 60.
insects injurious to, 1868, 115.
native locality and history of, 1859, 303.
Northern prolific, 1854, xiii.
of sowing, 1844, 347; 1848, 650.
price of, in Chicago, 1863, 618.
receipts and shipments, 1874, 87; 1875, 60.
spurred, 1853, 226.
straw and Dunstable bonnets, 1843, 50
table of yield and price, 1869, 35; 1870, 37; 1871, 29; 1872, 24; 1873, 25, 44; 1874, 30.
tables of entire crops of the United States, 1867, 2.
test experiments with white winter, 1875, 363.
the multicaule variety, 1843, 49; 1851, 314; 1854, 150.
varieties of, on experimental farm, 1865, 28; 1866, 9.

Sable,
American, 1858, 242.
Sacking,
cost of wheat, in California, 1874, 300.
extent of demand for, in the United States, 1876, 292.
Safflower,
dye from, 1842, 36.
Saffron,
for a dye, 1842, 36.
in Sicily, 1859, 115.
Sagapenum,
gum of, 1870, 186.
Sage,
thyme and, and value of, 1865, 248.
varieties of, 1854, 378.
wood, or germander, 1865, 515.
Sago,
root of the wild, in Utah, 1870, 406.
Sails,
improvement in, 1844, 487.
Saint John's wort,
distribution of, by the Patent Office, 1860, 32.
origin and injuriousness of, 1865, 510.
Saint Louis,
flour and grain trade of, 1876, 198, 206.
markets for live stock and products, 1876, 224, 252.
pork-packing at, 1876, 229, 234, 235.
prices of farm products at, 1876, 268.
Salad,
corn, 1854, 350.
Saleratus,
new mode of manufacturing, 1844, 512.
Salmon,
in Maine, New Hampshire, and Massachusetts, 1873, 451, 452.
Oregon, 1870, 386; 1873, 289.
Rhode Island, 1874, 418.
on the Pacific coast, 1868, 323; 1872, 450.
the king, black, and other of Alaska, 1870, 382, 383, 384.
Salmon-berry,
an antiscorbutic, used by Indians, 1870, 415.
Salsify,
or oyster-plant, 1854, 379.
Salt,
analysis of, 1876, 47.
and ashes for mules, 1863, 187.
works in West Virginia, 1863, 80.
as a fertilizer, 1868, 404; 1869, 430.
manure, 1869, 336; 1870, 490; 1872, 437.
beds in Michigan, 1869, 573.
excavation of rock, 1859, 122.
for fattening swine, 1861, 329.
history and commerce of, 1857, 133–152.
improvements in making, 1843, 320; 1844, 512.
in agriculture, 1859, 395; 1860, 115; 1861, 321.
lakes in Minnesota, 1863, 41.
mines in Louisiana, 1869, 451, 558.
of purifying, 1844, 148.
Onondaga, and the bed, of Louisiana, 1870, 495.
preservation of meat by, 1862, 472–475.
the manufacture of, 1855, 142–150.
to destroy grubs, 1870, 495.
water and, for sheep, 1843, 239.
Saltpeter,
caves of, in the South, 1868, 397; 1869, 564.
in agriculture, 1865, 386, 387.
Samphire,
for salad and in medicine, 1859, 354.
San Bernadino
County, California, 1861, 157–165.

Sand,
food, Indians' food, 1870, 424.
for a clayey soil, 1844, 337; 1874, 400.
of coral, 1856, 236, 237.
the green, 1868, 61, 63.
origin of, in the soils, 1850, 31.
Sandberry,
for food, 1859, 347.
Sanderack,
cause and treatment of, 1870, 373.
Sand-piper,
the spotted, solitary, and Bartram's, 1863, 286, 307.
Sandfoin,
in the Southern States, 1860, 230.
varieties, etc., 1854, xxiii, 1864, 304.
San Francisco,
flour and grain trade of, 1876, 203.
prices of farm products at, 1876, 2.
Sap,
article on, 1859, 362–366.
elaboration of, 1856, 317.
experiment on, in the vine, 1871, 111, 112.
freezing of, in fruit-trees, 1852, 30.
on the circulation of, 1873, 336; 1874, 278.
Sapsucker,
habits, injuries, and benefits of the, 1855, 87; 1867, 205.
Sassafras,
for ornament, 1868, 203.
Sauer-kraut,
of making and preserving, 1862, 485; 1868, 475.
Savory,
origin, etc. of, 1854, 379.
Saw,
improvements in file, 1844, 496.
to put, in order, 1866, 237.
Sawback,
habits and effects of, 1864, 558; 1867, 69.
Sawdust,
for bedding and manure, 1861, 330.
Saxe Altenburg,
statistics of population, productions, animals, etc., 1876, 255–270.
Saxe Weimer,
statistics of population, productions, animals, etc., 1876, 255–270.
Saxony,
statistics of population, productions, animals, etc., 1876, 255–270.
Scab,
in sheep, remedies, etc., for, 1862, 298; 1863, 244; 1864, 563; 1876, 107.
losses from, 1871, 34; 1875, 34.
prevalence and fatality of, 1866, 77; 1867, 98; 1869, 43; 1872, 37.
the acarus, or sheep, 1869, 386.
Scabious,
for fodder, 1860, 230.
Scale,
in Florida, 1865, 88; 1867, 141. (See Louse.)
orange, 1855, 115, 117; 1858, 256, 258.
remedies for, 1855, 117; 1858, 259, 269; 1867, 73; 1870, 88.
Scammony,
source of, etc., 1870, 183.
School,
book notice, 1872, 398.
common, in the United States, 1851, 44; 1858, 1.
German Agricultural, 1847, 241, 310, 313; 1859, 457; 1865, 160; 1868, 148, 152, 153, 154.
in Ireland and France, 1865, 158.
of mines, etc. (See College.)
Sheffield and Rutgers Scientific. (See College.)
Science,
book notice on, 1871, 426.
entomological, 1872, 448.
notes on agriculture, 1860, 79; 1861, 314; 1870, 611.

Science,
of cultivation, 1847, 218.
the weather, 1860, 98.
relating to patents, 1843, 248; 1844, 464; 1845, 25; 1846, 15; 1847, 19; 1848, 20.
veterinary, 1871, 393.
Scion,
influence of the stock on the, 1849, 282; 1867, 315.
of selecting and preserving, 1856, 317.
Scorzonera,
culture, etc., of, 1854, 380.
Scotland,
export of fresh beef to, 1876, 320.
Scraper,
a cast-iron, with illustration, 1870, 594.
Screw,
improvement on the jack, 1846, 31.
manufacture of wood, 1843, 253; 1844, 475; 1845, 52; 1846, 54.
Screw-bean,
for Indian food, 1870, 412.
Season,
how to determine the state of the, 1854, 447.
remarks on the crop, 1842, 10; 1843, 17; 1844, 16; 1845, 95; 1847, 96; 1848, 109.
the wet, in the Pacific States, 1864, 473.
Sedge,
many-beaked and tussock, 1865, 518.
other species in Maine, 1849, 504.
Seed,
acclimation of, 1843, 164.
adulteration of, 1868, 452.
Americans to raise their own, 1863, 522.
amount paid for, 1867, 15; 1870, 15; 1871, 11; 1872, 7; 1873, 13, 1874, 14; 1875, 16.
article on vitality and growth, etc., 1869, 100.
book notice, 1872, 400.
California tobacco, 1843, 232.
changes of, desirable, 1869, 293.
cleaned and uncleaned, 1873, 306.
depth of planting, 1871, 236.
distribution of, 1837, 5; 1840, 2; 1843, 3; 1844, 8; 1845, 15; 1847, 14; 1848, 100; 1849, 12; 1851, 646; 1856, iii, vi; 1861, 3; 1862, 21; 1863, 10; 1864, 11; 1865, 5; 1866, 7, 8; 1867, xv, 14; 1868, 14; 1869, 17, 244; 1870, 15; 1871, 4, 10; 1872, 407; 1873, 7; 1874, 13; 1875, 15.
exchange of, with foreign countries, 1871, 8.
experiments with cotton, 1870, 466.
food from, 1865, 423.
form of, 1844, 196.
for sowing, 1854, 330; 1866, 23; 1869, 425.
the garden, 1862, 543; 1863, 355–360.
grown in Sicily, 1859, 120.
imported and exported, 1858, 232; 1859, 18; 1872, 59.
increase of crops and gain by selection of, 1837, 6; 1842, 9.
influence of cold on, and germination of, 1860, 134, 135.
limit of temperature for, 1874, 148.
longevity of, 1857, 262–277.
manuring and steeping, 1844, 351, 355, 359, 363, 364.
new variety of cotton, 1866, 210.
of imported, 1849, 465; 1854, x, xvii.
packing, 1857, 276.
sowing grass, 1845, 694, 695–696; 1872, 277; 1873, 472.
planters, 1869, 322.
presented to Patent Office, 1860, 500.
profit of raising, 1874, 208.
purchase of, by special commissioner, 1876, 8.
qualities and kinds of, distributed, 1876, 14.
quantity of, to sow, 1844, 347; 1845, 356; 1854, 330; 1871, 125.
raising at Erfurt, Germany, 1870, 452.
selecting of, 1854, 326; 1855, 186; 1867, 316; 1874, 259, 260.
table of sowing and yield, 1848, 646.
test of Department, 1868, 405; 1869, 242; 1870, 155; 1872, 407; 1873, 210; 1874, 179; 1875, 359.
to prevent deterioration of, 1873, 211.
varieties of cotton, 1876, 147.

Seed,
vegetation of, 1844, 365.
vitality, etc., 1857, 256; 1858, 332; 1863, 361; 1867, 312; 1869, 294.
Seeder,
improvements in corn, 1871, 215.
Seeding,
lands for hay, 1867, 347; 1871, 362.
thick and thin, 1869, 293; 1871, 251.
Semsem,
description and uses of, 1859, 21.
Senawber,
source and uses of, 1859, 20.
Senna,
the Egyptian, 1855, lix.
Septicæmia,
similarity of, to influenza, 1872, 204.
Sequoia,
or red-wood of California, 1868, 579; 1875, 358.
specimen and plank of, 1868, 580.
value of, for timber, 1875, 358.
Serpolet,
source and uses of, 1870, 175.
Serradilla,
as a forage plant, 1854, xxiii.
Servia,
statistics of population, areas and land productions of, 1876, 255–265.
Service-apple,
and berry, 1859, 345.
Sesame,
uses of oil of, 1870, 173.
Sessaban,
an ornamental tree or hedge-plant, 1860, 32.
Sewage,
article on, 1860, 101.
effect of, on harbors, 1872, 150.
objections to turning, into rivers, 1872, 145.
proposals to utilize, 1872, 153; 1873, 273.
successful use of, in England, 1869, 432; 1870, 502.
Sewerage,
works, promoting health, 1868, 451.
Sewing,
machines, 1846, 101; 1848, 39.
Shad,
as an ornamental tree, 1868, 203.
berry for food by Indians, 1870, 413.
propagation, 1872, 264–274; 1873, 452; 1874, 416.
Shaddock,
native locality and uses of, 1858, 266; 1867, 142.
Shade,
for roads, 1868, 364.
on vegetation, 1854, 109.
Shale,
analysis of Wisconsin, 1872, 141.
Shallot,
or eschallot, 1854, 381.
Sheep,
American Merino, of Vermont, 1865, 484–486; 1869, 378.
and wool of the world, 1875, 207–242.
apparatus for washing, 1847, 289.
article on, 1849, 242, 251–255, 286; 1850, 137–144; 1851, 71–74, 75–96; 1853, 37, 38; 1854, 28, 38–48, 49; 1855, 43–50; 1856, 14–18–21; 1857, 53–56; 1859, 288; 1860, 92; 1861, 119–124, 128–143, 258, 260 1862, 242–312; 1863, 229–247; 1864, 249–288; 1869, 378; 1875, 207–244.
average price of, 1871, 42.
bells as a protection, 1870, 488.
best breeds for combing-wool, 1871, 201.
localities for, 1848, 631.
book notice, 1868, 595–596.
bot fly, 1872, 129.
breeding to grease, 1866, 344.

Sheep,
condition of, 1872, 30; 1873, 31; 1876, 106.
correspondence on, 1853, 38–48; 1854, 51–55; 1855, 50–53.
destruction of, by dogs, 1863, 452; 1865, 73; 1868, 42.
deterioration and breeding, 1871, 381, 382, 391.
diseases of, 1863, 240; 1864, 213, 563; 1866, 76; 1867, 98; 1868, 41, 595; 1869, 42, 386; 1870, 44, 488; 1871, 34; 1872, 37, 488; 1874, 38; 1876, 107, 417.
drawings of merino prize, 1863, 28.
effect of change of climate on, 1850, 256; 1854, 2; 1855, 2.
food on, 1845, 343.
estimated number of, 1849, 18.
experiments on feeding, 1847, 494.
facts in, husbandry, 1869, 378–389.
feeding, 1861, 127; 1862, 323; 1869, 498; 1874, 232.
in Hungary, 1847, 258; 1876, 427.
fine wooled, 1864, 185–192.
fleeces of different breeds, 1866, 342.
for enriching soils, 1871, 407; 1873, 405, 464.
market, wool, or mutton, 1876, 427.
husbandry in this country, 1872, 299; 1876, 427.
hybridizing of, 1863, 181.
improved Merino (*with plates*), 1847, 268.
Kentucky, 1866, 334–340.
in Australia, 1864, 204, 212, 213, 214, 216, 220.
California, 1858, 235.
Connecticut, 1870, 487.
Delaware, 1849, 119.
Indiana, 1852, 296.
Iowa, 1864, 167–185; 1867, 360; 1868, 515, 518; 1869, 542.
Kentucky, 1845, 1013; 1850, 277; 1854, 49.
Maine, 1850, 425; 1852, 128; 1862, 46; 1869, 518.
Massachusetts, 1849, 92, 95; 1852, 156; 1867, 339.
Michigan, 1852, 264, 277.
Mississippi, 1850, 365.
Missouri, 1867, 363; 1868, 524, 528; 1869, 545.
Morocco, 1862, 505.
Nebraska, 1864, 193–195.
New England, 1868, 477.
New York, 1852, 187, 202; 1873, 274.
Ohio, 1852, 251; 1867, 351.
Pennsylvania, 1852, 230.
Sicily, 1859, 124.
South America, 1864, 223–242.
South Carolina, 1847, 503–509.
Texas, 1851, 341.
the Cumberland Mountains, 1845, 1016.
Pacific States, 1864, 478, 479, 481, 482, 483.
Vermont, 1851, 157; 1852, 139, 146; 1865, 484.
Virginia, 1849, 141; 1851, 672; 1863, 8; 1867, 253.
West Virginia, 1863, 61.
Wisconsin, 1869, 538; 1873, 275.
interrogatories on, 1858, 82.
long-wooled, 1865, 479, 484; 1867, 339, 352.
losses of, in the different States, 1872, 30; 1876, 107.
markets for, 1876, 211, 226, 250, 252.
marking, shearing, housing, and pasturing, 1847, 278, 281, 285.
Merino, raising, in Tennessee, 1848, 627.
mode of determining the age of, 1876, 427.
new breed of, 1860, 86.
number and prices of, 1876, 104, 113.
of Yemen, 1865, 96.
products, markets for, 1876, 212–227, 242–250.
raising in the West, 1842, 37.
remarks on, 1845, 338; 1864, 5.
remedy for scab in, 1876, 107.
roots as food for, 1870, 506.
sales of high-priced, in England, 1873, 275.
Saxon Merino, 1859, 288–296.
Southdown, 1856, 18; 1870, 488.
Spanish Merino, 1864, 196–203.

Sheep,
species of wild, 1865, 101.
spleen in, and its prevention, 1859, 296–299.
statistics of, 1873, 63; 1875, 34, 36.
table of sizes of Merino flock, 1847, 288.
Texel, or Mouton Flandrin, 1864, 242–248.
the Ancon breed of, 1861, 433.
Arlington, shearing, 1866, 517.
Big-horn, or Mountain, 1851, 123; 1859, 541.
Broad-tailed, 1871, 209.
Cheviot, 1871, 203, 204.
Saxony, for wool, 1861, 125.
value of products of, exported, 1872, 64.
various breeds (*with plates of*), 1863, 230–233.
washing and shearing, 1849, 250.
why and when mutton, are profitable, 1866, 341–355.
wintering, 1867, 97, 238.
yield of tallow from, in Ohio, 1844, 399.
Sheller,
hand, corn, 1848, 68; 1866, 283; 1869, 328.
power, corn, 1866, 284; 1872, 290.
Shepherd,
of Spanish, and dogs, 1854, 42.
purse, a weed, 1865, 510.
the Australian, 1864, 207.
Shingle,
machines, 1843, 301; 1844, 504; 1845, 79; 1846, 90; 1847, 79; 1848, 51.
Ship-blocks,
improved, 1844, 487.
Shoe,
for making, waterproof, 1843, 8.
machinery for making horse, 1843, 7.
metallic, 1870, 590.
wooden, 1859, 561.
Shorthorn,
American, 1866, 305–307.
articles on, 1854, 6–11; 1861, 434–448.
breeds, value of, 1876, 371.
conventions of breeders, 1872, 470; 1874, 384.
fatted calf (and the Ellsworth twins), history of, 1876, 308.
first improvement of, 1864, 252.
for stall-feeding, 1867, 349.
milking qualities of, 1874, 386.
of improving, 1872, 465; 1874, 385.
overfeeding injurious to breeding, 1876, 374.
pretended history of, 1866, 302.
sales of, in England, 1869, 438; 1872, 438.
this country, 1870, 444, 498; 1872, 438; 1873, 273, 274.
Shot,
making of, by machinery, 1843, 308; 1847, 81; 1848, 41.
Shovel,
manufacture of, 1872, 286.
Shrew,
article on, 1857, 92–97.
the true, and the mole, 1863, 266, 267.
Shrike,
great American, 1856, 141.
names of the, or butcher-bird, 1863, 299; 1864, 415; 1865, 40.
Shrub,
for hedges, 1854, 396.
ornament, etc., 1862, 544; 1869, 180.
imports and exports of, 1858, 232.
Shugert, Samuel T.,
report of, 1860, 3.
Silicium,
properties of, 1860, 47.
Silk,
advance of the business, 1843, 90, 97.
antiquity and varieties of, 1866, 35, 37.

Silk,
article on, 1844, 292; 1845, 805–875; 1847, 454; 1853, 77; 1859, 548; 1868, 282–304; 1870, 235–241; 1872, 304–316; 1873, 70.
convention of culturists, 1845, 1169.
description of the tree, 1868, 201.
essay on the culture, etc., of, 1847, 440–452.
estimate of cocoon crops, 1841, 65; 1842, 5; 1843, 13; 1844, 12; 1845, 91; 1847, 85; 1851, 508; 1873, 70.
estimate of cocoons, etc., omitted, 1848, 158.
experiments to produce, from various insects, 1867, 74, 75.
extent of the culture, 1847, 175.
importance and culture of, in this country, 1867, 7.
imports and exports, 1858, 224; 1866, 36.
in Australia, 1869, 630.
Baltimore and Ohio, 1843, 96.
France, 1869, 632.
Italy, 1859, 128; 1869, 633.
Massachusetts and Pennsylvania, 1844, 133.
Sicily, 1859, 116.
Texas, 1859, 548.
the Pacific States, 1864, 483–487; 1866, 600; 1870, 235, 516; 1872, 449.
Virginia, 1854, 90; 1866, 506.
machinery for the manufacture of, 1843, 267; 1844, 478.
of the Bombyx Cynthia, 1861, 376.
progress of production in France, 1844, 134.
remarks on the culture of, 1841, 76; 1842, 26; 1843, 90; 1844, 132; 1845, 289; 1847, 175; 1848, 158.
statistics of, 1873, 70, 71.
Silk-weed.
(See Milk-weed.)
Silk-worm,
best varieties in Italy, 1859, 128.
destruction of, by fungus, 1865, 328.
experiments with, 1865, 93; 1867, 75; 1870, 82.
habits of best varieties of, 1868, 284.
in France 1864, 486; 1865, 92.
injury to, from thunder-storms, 1873, 70.
interrogatories on, 1858, 89.
introduction of, into California and Europe, 1864, 484, 485.
Japan and California eggs sent to France, 1864, 486; 1868, 294.
killing the chrysalids of, 1847, 448; 1872, 314.
of diseases of, 1843, 94; 1847, 176, 449; 1866, 36; 1868, 294, 301; 1869, 632; 1870, 239.
of feeding, 1843, 94; 1845, 851; 1847, 441, 453; 1859, 548; 1868, 297; 1872, 316.
of hatching, etc., 1845, 826; 1847, 445; 1868, 298; 1872, 312.
peanut and sulphur, 1843, 93.
preserving the eggs of, 1847, 449.
production of eggs, 1872, 315.
profits from, eggs in California, 1870, 237.
pure air for, 1844, 133; 1845, 292; 1870, 8.
rearing, in Connecticut, 1853, 78.
the ailanthus, 1861, 374–382; 1862, 390–394; 1865, 35, 92; 1867, 74; 1870, 81.
treatment of, while molting, 1872, 314.
Silver-bell,
as an ornamental tree, 1868, 203.
Simbolee,
use of oil of, 1870, 180.
Sirup,
apparatus for evaporating, 1844, 512; 1845, 43; 1848, 326, 330; 1861, 299.
arrangement of, establishments, 1861, 301.
clarifying, 1865, 319.
from the black imphee, 1869, 530.
from Chinese sugar-cane, 1857, 190; 1864, 86, 87.
red imphee, 1868, 519.
imports of, 1858, 233; 1867, 11.
manufacture of sorghum, in South Carolina, 1855, 282.
of converting maple, into white sugar, 1847, 182.
purifying, with bisulphate of lime, 1849, 409.
boneblack, 1848, 298, 322.
Seyforth's method of refining, 1870, 616.

Sirup,
sorghum and imphee, 1862, 524, 535–540.
in Mississippi, 1871, 422.
Wisconsin, 1869, 537.
table of analyses, 1862, 526.
to preserve flavor of maple, 1869, 420.
yield of, in Iowa, 1868, 515; 1872, 476; 1873, 393.
Michigan and Ohio, 1868, 500, 509; 1871, 367.
Skin,
exports and value of tanned, 1858, 222.
insects feeding on, 1868, 115.
preparation of lamb and kid, in Sicily, 1859, 124.
Skirret,
origin, use, etc., of, 1854, 381.
Skunk,
benefits of, to agriculture, 1863, 268.
habits and use of the, 1858, 248–250.
Sloe,
or blackthorn, for hedges, 1854, 417.
Slug,
method of killing, 1861, 332.
remedies for pear, cherry, and rose, 1864, 547; 1870, 78.
Sluice,
to make a head-gate for a, 1871, 257.
watering, 1870, 596.
Smut,
article on, 1845, 406; 1862, 103.
blight, or brand, 1865, 519.
causes of, 1854, 137.
in the onion, 1869, 224, 229; 1870, 529; 1872, 193; 1873, 210.
nature of, and experiments with wheat, 1844, 40, 41; 1862, 79.
prevention of, 1843, 40; 1845, 142, 412; 1850, 231, 250; 1851, 286; 1852, 250; 1853, 138; 1855, 189; 1862, 80.
Snath,
machine for forming scythe, 1844, 505.
Snipe,
classification and family of, 1863, 285.
Wilson's, 1856, 158; 1864, 378.
Snow,
cause of red, 1864, 330, 531.
table of annual depth in Russia, 1861, 37.
Snow-berry,
as Indian food, 1870, 415.
Snow-bird, habits, etc., of, 1863, 302; 1864, 423; 1865, 42.
Snuff,
imports and exports of, 1858, 234.
Soap,
carbolic, suds for root insects, 1872, 137.
imports and exports of, 1858, 223.
suds for the bark-louse, 1860, 314, 319.
to make hard and soft, 1872, 474.
whale-oil, a remedy for the louse, 1854, 63; 1858, 261.
Soap-berry,
analysis of, 1870, 107.
for Indian food, 1870, 412.
Society,
agricultural, influence of, 1842, 7.
of the United States, 1859, 22.
report of Essex, 1845, 999.
agriculture, for promoting, 1858, 90, 91.
American Pomological, 1870, 149, 150; 1874, 447.
(art. on), 1868, 504.
Columbia Agricultural, 1866, 518.
early formation of, 1866, 513.
for Promoting Public Economy, 1866, 517.
history of, in the several States, 1858, 92–213.
in Great Britain, 1868, 135, 136.
list of, in the several States, 1867, 364.
prize for horticultural, 1861, 314.
reports of American Pomological, 1858, 386.

Society,
State Agricultural, 1874, 387; 1875, 438, 439, 450, 454, 456, 461, 462, 463, 464, 467.
State Horticultural, 1867, 364; 1875, 441, 443, 444, 460, 461, 463, 464.
State Pomological, 1875, 452.
Soda,
as nutriment of manure, 1861, 579; 1872, 437.
compounds of, 1860, 43, 44, 45.
lake in Wyoming, 1871, 237.
sulphate on the Western plains, 1870, 96.
wastage of the nitrate of, 1873, 299.
Sodium,
deposits of, in Poland, 1860, 43.
Soil,
advantages of a chemical analysis of, 1876, 400.
alkali, 1870, 100, 103, 104.
analyses of flax, of Ireland, 1861, 58.
the tea, 1860, 450, 451.
analysis of a loamy, from Virginia, 1864, 536.
cotton, 1857, 296.
"poison," 1872, 142.
prairie, 1849, 488.
tobacco, 1858, 290, 296.
various, 1865, 51, 52; 1866, 45; 1869, 71; 1871, 100; 1873, 175.
article on, 1844, 335–346; 1845, 350; 1849, 24; 1850, 25–81; 1852, 49–53, 54; 1858, 290–295; 1870, 100.
best, for madder, 1859, 127.
climate on the physical condition of, 1861, 275.
consistency of, determined by frost, 1870, 144.
converting sandy, into fertile loam, 1864, 299.
cooling and heating on, 1869, 122.
destruction of the, 1862, 553.
draining, 1858, 275.
effect of removing stones from heavy, 1867, 6.
exhaustion of, 1861, 315; 1862, 596; 1867, 352; 1871, 234; 1872, 146; 1874, 428.
facts about, 1849, 23.
fertility of the, of China, 1872, 499.
fertilization of, 1865, 395; 1874, 429.
for the grape-vine, 1867, 165, 171.
pear, 1869, 199.
raspberry, 1861, 171.
strawberry, 1861, 177.
how, is impoverished, 1849, 28.
new elements are furnished, 1874, 431.
rocks are converted into, 1870, 532.
importance of a knowledge of, 1873, 449.
influence of forests on, 1860, 441.
in the cotton States, 1874, 219, 220.
manures for, 1865, 390.
night, 1868, 550; 1872, 434; 1874, 435, 436, 437.
nitrification of vegetables, 1874, 263.
object of loosening the, 1868, 556.
of clayey, 1856, 181.
Kansas, 1873, 399.
Sicily, 1859, 124.
on the benefits of analysis, 1852, 54; 1867, 192.
origin of, on rocks and hills, 1860, 442.
peculiarities of, 1870, 144, 146, 148.
physical properties of, 1860, 105, 106.
plan for renovating Virginia, 1849, 35.
poison of Texas, 1875, 150.
power of, to contain water, 1870, 143.
to absorb, of different, 1870, 96, 532; 1871, 236.
preparation of, 1864, 317; 1865, 24.
properties of different arable, 1870, 141.
remedy for exhaustion of, 1852, 7.
renovators of, 1862, 325.
stable manure insufficient for, 1874, 399.
to determine the constituents of, 1871, 424.
Soiling,
advantages of, 1870, 504.

Soiling,
and pasturing compared, 1869, 283.
article on, 1845, 1008; 1859, 442–457.
benefit of, to lands, 1874, 391.
dairy stock, profits of, 1871, 176.
experience in, in Rhode Island, 1871, 418.
interrogatories on, 1858, 60.
when profitable, 1867, 241.
Soldering,
improvement in, 1843, 331.
Sorghum,
analysis of, after freezing, 1866, 48.
articles on, 1854, 219–223; 1856, 307, 309–313; 1857, 183, 185, 190, 191, 192; 1861, 293–310, 311, 314; 1862, 129–140, 140–147, 514–540; 1864, 54–87; 1865, 299–307, 307–324.
climate of the United States for, 1855, xii.
correspondence on, 1855, 279.
experiments with, 1858, vii.
imphee and, 1862, 129, 514.
in Iowa, 1867, 358; 1868, 515, 519; 1872, 476; 1873, 393.
Michigan, 1867, 355; 1868, 500; 1871, 367.
in Ohio, 1868, 509.
South Carolina, 1869, 530.
interrogatories on, 1858, 72.
in the Southern States, 1871, 422.
introduction of, from France, 1854, xxii.
in Wisconsin, 1869, 537.
millet of China, 1860, 474.
one cause of the degeneration of, 1867, 315.
production of, in the United States, 1876, 158.
quantity of molasses produced, 1867, 32.
red as a pigment, 1861, 332.
remarks on the crop of, 1867, 78.
report on, canes, 1857, 181.
sugar from, 1865, 48.
value of, as a forage plant, 1860, 130.
varieties of, on Department farm, 1865, 28; 1866, 10.
Sorgho,
(See Sorghum).
Sophora,
beauty of the Japan, 1868, 201, 203.
in the arboretum, 1870, 17.
Sorrel,
influence of, in souring the soil, 1869, 503.
mode of expelling field, or sheep, 1865, 517.
the round-leafed, as Indian food, 1870, 422, 423.
Sorrento,
its production and shipment of oranges, 1867, 147, 148.
Sound,
vibration and undulation of, 1857, 428, 430.
Soup,
to make strongest and best flavored, 1864, 258.
Sour-kraut,
making, in Maine, 1868, 475. (See Kraut).
Sour-sop,
production of, in Florida, 1867, 144.
South America,
our relations with, 1876, 271.
South Carolina,
Agricultural College. (See College).
bone phosphate beds in, 1868, 398.
climate and soil for grapes, 1871, 405.
clover and orchard-grass in, 1869, 280.
crops on college farm, 1872, 383.
culture and yield of corn in, 1873, 458.
fences of, 1871, 503.
forests, etc., of, 1875, 270.
fruit-growing in, 1871, 153.
lands in, 1867, 105, 113.
large yield of wheat in, 1871, 236.

South Carolina,
laws of, 1871, 222.
live-stock in, 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral phosphate in, 1867, 12; 1868, 74, 387; 1869, 529; 1870, 539.
necessity of a change, and rotation of crops, 1871, 403, 404.
phosphate rocks of (book-notice), 1870, 539, 540.
products of, 1851, 494.
remarks on crops of, 1842, 16, 17, 19, 22; 1843, 24, 59, 67, 75, 88; 1844, 52, 58, 64, 65, 75, 103, 107; 1845, 156, 160, 172, 175, 195, 268, 273; 1847, 128, 131, 136, 169, 170; 1848, 123, 130, 133, 155, 168; 1850, 231, 288, 323, 400; 1851, 316; 1852, 87, 89, 91; 1853, 165, 166; 1854, 200; 1855, 286, 310.
reports of Agricultural Society, 1869, 529; 1871, 403; 1873, 457.
rice in, 1852, 87.
State Agricultural Society, 1875, 463.
tabular estimate of crops of. (See Crops.)
tea in, 1850, 192; 1869, 237.
yield and price of crops, 1866, 62; 1867, 90; 1868, 34; 1869, 35; 1870, 37; 1871, 29; 1872, 24; 1873, 25; 1874, 33; 1875, 31.
Sower,
a new seed, and wheel-hoe, 1851, 151.
of broad-cast and drills, 1863, 428.
Seymour's plaster, and broad-cast, 1866, 259, 260.
Sowing,
table of time of, and quantity of seed, 1848, 646.
thick and thin, of wheat, 1867, 351.
Sow-tow,
of the fiber of, 1859, 19.
Spade,
ditching, 1870, 589.
of the, in machines, 1867, 261.
Spader,
trial with the rotary, 1863, 422.
Spain,
agriculture and production of, 1876, 287.
statistics of population, productions, animals, etc., of, 1876, 255–270.
Sparrow,
English, 1865, 44; 1872, 453.
the chipping, 1863, 302; 1864, 352, 423.
family of, 1863, 301.
field, 1864, 423.
Savannah, 1864, 421.
song and swamp, 1864, 424.
utility of, 1865, 42; 1867, 205; 1869, 418; 1870, 90.
yellow-winged and white-throated, 1864, 422.
Spavin,
nature and treatment of, 1870, 366, 367.
Spaying,
effect of, on cows, 1870, 447.
Species,
and a hybrid, 1851, 92; 1867, 302.
varieties, 1868, 558.
defined, 1859, 537; 1867, 297.
of sheep, 1851, 82.
on the origin of, 1867, 301.
rules and laws of, 1851, 83, 87, 92; 1863, 180.
Spelt,
in Germany, 1847, 336.
poisoned by, bread, 1849, 133.
Spermaceti,
exports of domestic, 1858, 224.
Spermophile,
or prairie-squirrels, 1856, 73.
Spice,
and condiments, 1870, 199.
Spider,
benefits of the common, 1855, 108.
different species of, 1855, 108.
silk-producing, 1866, 37.

Spider,
the red, 1855, 79; 1864, 564; 1870, 87.
trap-door, 1873, 161, 162.
Spike,
oil of, 1870, 180.
Spinach,
cultivation and varieties of, 1854, 381, 382.
lettuce-leaved, 1854, xxi.
native locality, etc., 1859, 354.
strawberry, 1859, 357.
winter, 1865, 245.
Spinning,
machinery for, 1844, 478; 1845, 55; 1846, 68; 1847, 64; 1848, 35.
of cotton, 1843, 259.
the Angora fleece, 1867, 227.
Spirea,
insect on flowers of, 1868, 115.
the double Japan, 1863, 368.
Spirit,
imports and exports of, 1857, 44; 1858, 233.
Splint,
machine for making, 1845, 79; 1847, 80; 1848, 53.
nature of, and treatment, 1870, 366, 367.
Spring,
mineral of Virginia, 1864, 28.
hot, of Montana, 1871, 441.
house, 1867, 292, 293, 294.
Spruce,
insect feeding on, 1868, 115.
species of, for cultivation, 1872, 165.
the black, 1866, 480.
Douglas, 1868, 579.
Norway, 1854, 404; 1868, 196; 1872, 165.
Spurge,
or eye-bright, 1865, 517.
Spurry,
analysis of stem and leaves of, 1865, 419.
corn, 1843, 107; 1844, 142.
for a forage plant, 1854, xxvi.
gigantic, 1845, 979.
in Georgia, 1860, 230.
Germany and France, 1864, 303.
Squash,
best variety for winter, 1871, 360.
large yellow-fleshed, 1854, xxi.
yield of, from one seed, 1844, 435.
liability of, to hybridize, 1863, 357.
nine varieties of, 1854, 382.
of the seeds, and size of, 1863, 359.
origin of, 1854, 208; 1864, 120.
planting, and preserving, 1864, 121, 122; 1871, 359.
size of, in California, 1851, 6.
the, bug and remedies for, 1870, 89.
three classes of, in this country, 1863, 356.
whether it will change into pumpkin, 1867,313.
Squaw-berry,
for Indian food, 1870, 415.
Squill,
cultivation and uses of, 1860, 33.
Squirrel,
article on, 1856, 54–81.
the family, and injuries of, 1863, 269.
Stable,
arrangement of, 1869, 165.
for farm and draught horses, 1863, 336.
of cow, 1869, 295; 1871, 388.
horse, 1859, 260–287.
warm, 1843, 121.
ventilation of, 1867, 243.
Stagger-bush,
supposed to cause staggers, 1865, 515.

Staff-tree,
use of, for food by Indians, 1870, 422.
Stainer,
the red-bug, or cotton, 1855, 103; 1858, 272.
Stall-feeding,
analysis of articles most used for, 1864, 274.
and its profits, 1862, 279.
article on, 1862, 317–325.
best breeds of cattle for, 1867, 349.
Star-anise,
origin and uses of, 1870, 199.
Starch,
cellulose and, 1875, 187, 189, 190.
imports and exports of, 1858, 226.
manufacture of, in Vermont, 1853, 174.
potato, factories, 1872, 446, 447.
the source of alcohol in plants, 1864, 516.
Starling,
the red-winged, 1856, 128, 129.
State,
reports, digest of, 1876, 361–432.
Station,
article on agricultural experiment, 1875, 517–523.
experimental, in England, 1868, 137.
Europe, 1873, 284.
Germany, 1868, 155.
Italy, 1872, 448.
Statistical,
Division, 1876, 8, 9, 88.
inadequate provision for, and investigations begun in, 1876, 281, 282.
the Exhibit of, at the Centennial, 1876, 9.
Statistician,
J. R. Dodge, 1865, 54; 1866, 51; 1867, 77; 1868, 16; 1869, 20; 1870, 24; 1871, 13; 1872, 9; 1873, 15, 146; 1874, 15; 1875, 17; 1876, 87.
Lewis Bollman, 1863, 579; 1864, 564.
Statistics,
Centennial, 1875, 37.
equine, etc., of France and of Russia, 1855, 31, 37, 48.
farm, of Great Britain, 1873, 145; 1874, 275.
from the census of, 1870, 1871, 45.
international, 1876, 87.
of agricultural colleges, 1876, 358.
beet-root culture, 1869, 338.
beet sugar in Europe, 1868, 161.
cane sugar and molasses consumed in the United States, 1876, 155.
cod fishing in Alaska, 1870, 380.
commerce, 1847, 552, 570; 1848, 696; 1849, 491; 1850, 531; 1851, 512; 1852, 422; 1853, 4, 27, 38, 49, 75, 102, 128, 154, 165, 170, 181, 202, 234, 237, 243, 261; 1854, 476; 1855, 395; 1856, 497; 1857, 30, 337; 1858, 221; 1859, 525; 1861, 78; 1862, 258, 265, 267, 552, 600; 1863, 608; 1864, 502, 591, 598; 1865, 76; 1866, 90; 1867, 11, 32, 78, 121; 1868, 24, 47; 1869, 54; 1870, 62, 205, 214, 438; 1871, 39; 1872, 54, 91; 1873, 84; 1874, 59, 71.
crops, live stock, etc., 1841, 64; 1842, 4; 1843, 12; 1844, 11; 1845, 90; 1847, 84, 545; 1848, 92; 1851, 494; 1862, 561, 577; 1863, 593; 1864, 566, 568; 1865, 55; 1866, 53; 1867, 80; 1868, 25; 1869, 24; 1870, 26; 1871, 17; 1872, 12; 1873, 18; 1874, 23; 1875, 20; 1876, 91, 112.
domestic trade in flour and grain, 1876, 177, 206.
egg consumption, 1872, 444.
exports, 1876, 167, 170, 175, 320.
fences, 1871, 497.
forestry, 1875, 244.
grape culture in the different States, 1868, 208.
immigration, 1868, 53; 1869, 58; 1870, 60; 1873, 79.
industrial colleges, 1867, 318; 1871, 332; 1872, 394; 1873, 360; 1874, 350; 1875, 52, 500.
jute culture in India, 1876, 290.
labor in the Southern States, 1867, 416.
land and live stock in Montana, 1871, 448
maple-sugar production, 1876, 160.
productions of New England, 1870, 264.
poultry-keeping, 1870, 334.

Statistics,
Rhode Island agriculture, 1867, 343.
seed distribution, 1876, 14.
sheep-raising, 1869, 379.
silk manufacture, 1870, 238.
sorghum, sugar, and sirup production, 1876, 158.
the dairy, 1868, 489; 1871, 174; 1873, 251; 1874, 245; 1875, 414.
European States, 1876, 255–270.
public lands, 1868, 471.
sugar production, 1876, 153.
the collection of agricultural, 1862, 574; 1863, 589; 1873, 149.
Stave,
machines for making, 1843, 302; 1844, 505; 1846, 91; 1847, 80; 1848, 51.
Steam,
and gas engines, 1843, 272; 1844, 482; 1845, 60; 1846, 83; 1847, 68.
apparatus for cooking stock feed by, 1865, 402.
boilers and generators, 1843, 275.
cleaning forests by, 1874, 273.
cultivation, 1867, 263–277; 1869, 296–305; 1872, 445; 1873, 287, 376.
ditcher, 1874, 283.
engines, &c., 1848, 40.
inventions for cultivating by, 1867, 253.
plow, 1862, 415; 1863, 420; 1867, 255, 257, 258; 1869, 305–317; 1870, 404; 1871, 213, 418; 1874, 281.
plowing, 1837, 4; 1867, 4, 255, 278; 1870, 8, 403, 449, 511.
Stearine,
candles from, 1843, 118, 167.
elaine and, 1842, 91.
from lard and the castor-bean, 1841, 80.
uses and sources of, 1842, 82; 1866, 388.
Steel,
new process of making, 1844, 471; 1846, 46; 1847, 55.
use of Bessemer rails, 1874, 383.
Steer,
methods of breaking, 1851, 138, 178, 209, 227, 389; 1852, 122.
price of fat, in New York market, 1869, 436; 1870, 443.
table of eight prize, in England, 1870, 444.
Stick-seed,
annoyance of, 1865, 515.
Stock,
breeding and keeping, 1867, 239, 242; 1873, 411, 415, 422, 456.
different breeds of, in Iowa, 1868, 517; 1869, 542.
English beef, 1871, 230.
facilities for raising, in Oregon, 1869, 596.
facts about, 1868, 438, 450; 1869, 436; 1870, 443; 1871, 230; 1872, 438; 1873, 273; 1874, 265; 1875, 510.
farm, 1862, 546; 1863, 605, 606.
in Ohio, 1848, 641.
feeding, 1867, 238, 239, 347; 1868, 427; 1869, 281; 1870, 465; 1871, 249; 1872, 460; 1873, 290, 411; 1874, 264; 1875, 510.
feeding fish-chum to, 1870, 451.
first importation of thoroughbred, 1872, 296.
green-soiling live, 1859, 442.
growing, in the South, 1867, 425.
home-bred, 1871, 175.
how to breed and rear, 1866, 310; 1873, 411, 415, 422, 456.
improvement in live, 1874, 265.
laws relating to, 1869, 394, 400.
live, and meat, 1872, 438.
of Sicily, 1859, 123.
in Virginia, 1864, 34.
losses of, 1873, 410.
markets. (See Market.)
market prices of live. (See Market.)
of farm, in the several States, 1866, 71; 1867, 95; 1868, 4, 35, 483, 516; 1869, 13, 37; 1870, 10, 39, 287; 1871, 31; 1872, 26; 1873, 30; 1874, 36; 1875, 33.
of fattening, 1845, 330; 1847, 207; 1866, 311; 1867, 214; 1871, 250.
of the loyal States, 1864, 581.
raising in Colorado, 1869, 547.
Georgia, 1866, 578.

Stock,
raising in Minnesota, 1863, 32.
the West, 1871, 377, 406, 409, 446.
versus dairying, 1869, 437.
receipts of, in New York, Boston, and Chicago, 1868, 56, 57.
sale of thoroughbred, in Ohio, 1870, 444.
selection of, 1867, 217.
tables showing value, etc., of live. (See Live stock in each State.)
the "cream-pot," 1866, 291.
Dunlop, 1863, 194.
union, yards of Chicago, 1870, 250; 1873, 276.
value of live, 1851, 498; 1861, 429.
Stock,
for grafting on, 1856, 327.
influence of the, on the fruit, 1865, 201; 1867, 315; 1869, 203.
Stokes, John W.,
report of, 1867, v.
Stone,
and clay manufacturers, 1843, 323; 1845, 30; 1846, 32; 1847, 45; 1848, 29.
artificial, gems, imitating, 1843, 321.
Blake's breaker, 1868, 355.
of Kansas, 1873, 400, 401.
removing, from clayey land, 1867, 6.
small, from surface of roads, 1868, 360.
Storax,
source and uses of, 1870, 181.
Stork's-bill,
for food by Indians, 1870, 422.
Storm,
explanation of, 1858, 480, 484, 485, 488, 491.
Stove,
improvements in, 1843, 327; 1845, 26; 1846, 30; 1847, 41.
in royal gardens at Kew, 1870, 111.
utility and economy of, 1871, 430.
Straw,
analysis of, 1845, 306; 1864, 279; 1865, 400.
experiments in feeding to cows, 1872, 461.
value of, for manure, 1860, 115.
wheat, for fodder, 1845, 435.
Strawberry,
article on, 1848, 609; 1853, 313, 314–319; 1856, 448, 449; 1861, 175–206; 1863, 139–147; 1865, 282.
at the South, 1858, 383.
book notice on, 1870, 523, 524.
canned, in Delaware, 1873, 280.
correspondence on, 1853, 314; 1854, 318.
cultivation, etc., 1850, 99; 1861, 541; 1863, 353.
Delaware, shipments of, 1872, 440.
desirable varieties of, 1845, 308; 1856, 407; 1858, 425, 427; 1861, 196–206; 1866, 17; 1868, 520; 1869, 80.
directions for setting, 1869, 522; 1871, 369.
experiment with, 1869, 292.
facts about, 1868, 442, 510, 520, 521; 1869, 416.
habits of the, worm, 1867, 73.
how to succeed with, 1871, 397.
in Department garden, 1863, 549; 1864, 606.
Europe, 1859, 346.
Massachusetts, 1858, 398.
New Jersey, 1858, 412; 1865, 282; 1874, 271.
New York, 1849, 450.
Pennsylvania, 1858, 420.
interrogatories on, 1858, 52.
in the District of Columbia, 1858, 388.
Virginia, 1870, 152.
late versus early, 1869, 446.
of protecting, 1862, 153.
preservation of, 1862, 493.
product and yield, 1869, 416, 417.
profit of, in Maine, 1870, 441.
raising from seed, 1866, 17.

Strawberry,
reports on, 1856, 339, 340, 353, 357, 386, 390, 391, 400.
soils, etc., 1871, 397.
the *Anthonomus*, with remedy, 1871, 73.
wild, 1870, 413.
wood ashes a manure for, 1870, 490.
Straw-cutter,
improvements in, 1843, 312.
points and features of a good, 1865, 399; 1869, 331.
Street,
sweeping-machine, 1844, 506.
Subsoiling,
article on, 1860, 107, 108; 1869, 287.
benefit of, 1845, 1036; 1868, 556.
effects of, 1869, 273; 1871, 251; 1872, 459.
Succory,
gum, 1870, 187.
the wild, 1865, 514.
uses and cultivation of, 1854, xix, 348; 1870, 198.
Sucker,
size of, in Alaska, 1870, 388.
Sugar,
analysis of, 1862, 528, 530; 1870, 94.
and molasses produced, 1867, 32, 100; 1868, 55.
annual consumption of, 1876, 155.
as a manure for turnips, 1845, 360.
beet factories, 1841, 80; 1853, 233; 1869, 348; 1870, 501; 1872, 154.
industry (art. on), 1870, 210.
importance of, 1867, 9; 1871, 297; 1872, 154.
beet in Europe, report on, 1868, 158.
manufacture, European processes of, 1867, 48.
history of, 1838, 57; 1867, 9; 1872, 154.
progress of, in Europe, 1869, 334; 1870, 215.
produced in 1875, 1876, 153.
production of, in California, 1870, 212; 1873, 287, 376.
England, 1870, 217.
Europe, 1841, 80; 1867, 9, 33; 1869, 334, 345; 1870, 215; 1872, 155.
France, 1847, 181; 1853, 233; 1870, 501; 1872, 154.
Illinois, 1866, 50; 1867, 8; 1868, 168; 1869, 349; 1870, 210; 1872, 155, 472.
production of, in Nebraska, 1873, 437.
New Jersey, 1872, 451.
the United States, 1869, 349; 1871, 297; 1872, 155; 1873, 108; 1876, 157.
Wisconsin, 1872, 510.
by Mapes' process, 1843, 8.
cane, analysis of stalks, 1848, 278.
and maple produced, 1867, 8.
apparatus for making, 1843, 234; 1848, 304, 328.
article on, 1853, 231–236; 1865, 48, 307; 1873, 104, 107.
by the Arabians in the ninth century, 1859, 326.
Chinese and African, 1857, 190; 1858, vii.
in China, 1845, 914.
Florida, 1845, 911; 1851, 326, 327; 1871, 167; 1872, 451.
Louisiana, 1845, 299, 876, 910; 1847, 180; 1848, 274, 782; 1849, 169; 1869, 435; 1873, 108, 109; 1876, 156.
Texas, 1851, 350; 1853, 236.
the United States, 1876, 155.
method of manufacturing, 1844, 295.
potting, 1848, 334.
produced in 1875, 1876, 153.
capital in the manufacture of, 1842, 30.
chemistry of, manufacture, 1862, 537.
cleaning machine, 1850, 518.
composition of, 1856, 311.
consumed in the United States, 1862, 553; 1866, 49; 1867, 8; 1871, 298; 1873, 105.
corn, and cane, compared, 1843, 101, 159, 162.
consumption of, in the world, 1873, 104.
estimate of crops of, 1841, 65; 1842, 5; 1843, 13; 1844, 12; 1845, 91; 1847, 85;

Sugar,
1848, 93; 1851, 508, 510, 565.
for Gallizing wine, 1860, 350; 1863, 157.
from corn and cornstalks, 1841, 5; 1842, 30, 67, 75, 1843, 99, 146, 149, 150, 152, 153, 155, 158, 159, 162; 1844, 138, 298, 302, 305, 306; 1845, 301, 921, 924
cornstalks, by the Aztecs, 1845, 302.
potatoes and starch, 1844, 308; 1845, 203.
water-melons, 1844, 139.
home production of, and statistics, 1873, 109-112.
imports and exports of, 1858, 233; 1867, 11; 1870, 214; 1872, 59, 76; 1873, 105.
improvements in making, 1843, 320; 1844, 137, 512; 1845, 43; 1846, 29.
in different varieties of grapes, 1859, 55.
insects found in, 1868, 115; 1871, 426.
manufacture of, 1849, 404–422.
maple (arts. on), 1845, 917–921; 1862, 394–405; 1873, 107; 1876, 159.
by the Indians, 1853, 233.
improved mode of making, 1847, 182.
in Maine, 1862, 54.
Massachusetts, 1848, 355.
New England, 1842, 30, 107; 1844, 137, 296; 1861, 261.
New York, 1843, 146; 1844, 297; 1848, 374.
Ohio, 1849, 176.
Vermont, 1842, 107; 1852, 138; 1867, 246; 1873, 474.
the different States, 1845, 300; 1853, 234.
Jackson's process of manufacturing, 1843, 235.
made white, 1844, 298.
manufacture of, 1862, 394–405.
tree, a plea for, 1869, 420.
preservation of food by, 1862, 475.
remarks on crops of, 1841, 77; 1842, 29; 1843, 97; 1844, 134; 1845, 294; 1847, 179; 1848, 156.
review of the market, 1845, 902.
sorghum, 1861, 293, 311; 1862, 129, 520, 523, 526, 552; 1865, 48, 307–324; 1866, 48; 1873, 108. (See Sorghum.)
the amount of, for domestic use in 1875 and 1876, 1876, 154.
various kinds defined, 1862, 529.
Sugar-apple,
description of, 1859, 350.
Sulphur,
in Sicily, 1859, 122.
names, uses, &c., of, 1860, 75, 76.
sources of, in soils, 1868, 401.
the great, bed of Louisiana, 1869, 557.
Sumac,
American, 1869, 230–232.
analyses of American, 1869, 65, 66; 1871, 99; 1872, 141.
directions for Venetian, 1874, 426.
importance and importations of, 1842, 36; 1869, 231.
insect feeding on, 1868, 115.
in Sicily, 1851, 60; 1859, 111.
Virginia and Southern States, 1845, 321.
preparing, for market, 1869, 421.
shipments of, Missouri to St. John's, 1872, 449.
the morocco-dressers', 1854, xxxiv.
poison, 1865, 511.
stag-horn, 1868, 201.
Sun,
table of, diurnal intensity, 1856, 462.
the cause of meteorological changes, &c., 1856, 459.
Sunflower,
for Indian food, 1870, 419.
seed oil, yield, 1842, 41.
uses, &c., of oil, 1870, 180.
yield in Europe, 1843, 110; 1863, 110.
Sunn,
description, etc., of, 1863, 108.
Superintendent,
report of George Reed, 1865, 25.
William Saunders, 1862, 540; 1863, 547; 1864, 605; 1865, 13; 1866, 17; 1867, 23; 1868, 118; 1869, 79; 1870, 16; 1871, 102; 1876, 61.

Superphosphate,
and ashes on corn, 1871, 239.
(arts. on), 1865, 383–385; 1868, 503.
effect of, on corn, 1869, 268, 269, 292.
turnips, 1853, 82; 1868, 504; 1869, 291; 1873, 310.
wheat, 1870, 453.
in phosphoric acid, 1874, 432.
modes of preparing, 1852, 407; 1859, 169, 176; 1871, 356, 363; 1875, 506.
of lime, experiments with, 1853, 82; 1868, 431; 1872, 457.
on different crops, 1873, 298.
potash and, on potatoes, 1870, 459.
to New England soils, 1868, 430.
Supply-crops,
in the cotton States, increase of, 1876, 148.
Surgeon,
Royal College of Veterinary, 1859, 183.
Surgical,
instruments, improvements in, 1843, 315; 1845, 31; 1846, 38; 1847, 47; 1848, 25.
Swallow,
and martins, and swifts, 1865, 40; 1867, 205.
chimney, 1863, 281, 293; 1864, 351, 399; 1865, 38.
cliff, white-bellied, bank, and rough-winged, 1863, 298; 1864, 414.
common, 1863, 298.
destruction of insects by, 1853, 72.
the barn, 1854, 437; 1863, 283, 298; 1864, 351, 413.
Swan,
the black, of Chili, 1865, 100.
mute or tame, and black of Australia, 1862, 369.
Sweden,
statistics of population, areas and productions in, 1876, 255–267.
Sweep,
the horse hay, 1874, 291.
Sweeping,
machine for streets, 1844, 506.
value of street, 1871, 229.
Sweet-brier,
for hedges, 1854, 417.
insects frequenting, 1868, 115.
Sweet-sop,
production of, in Louisiana, 1867, 144.
Swift,
(See Swallow.)
Swine,
article on, 1853, 48; 1855, 60; 1868, 523; 1872, 423–432; 1875, 426.
breeds of, for the West, 1869, 546.
causes of disease, 1868, 523.
correspondence on, 1853, 50; 1854, 56; 1855, 61.
discussion on, 1872, 475.
diseases of, 1868, 41; 1869, 43; 1870, 44; 1871, 34; 1872, 37; 1874, 39.
feeding, 1868, 523; 1869, 281, 282.
improvement of, New York convention for, 1872, 424.
in this country, 1872, 298.
in Iowa, 1867, 360; 1868, 517; 1869, 542.
Maine, 1862, 48.
Massachusetts, 1868, 484.
New England, 1861, 260.
Ohio, 1867, 351.
interrogatories on, 1858, 84.
in the different States, 1851, 498.
Japanese wild, 1865, 101.
losses of, 1874, 39.
of administering medicine to, 1859, 206.
Sicily, 1859, 124.
poisoning of, by the pie-plant, 1869, 418.
report on different breeds, 1872, 425–432.
salt for fattening, 1861, 329.
statistics of, 1857, 34; 1858, 224; 1864, 586; 1865, 68; 1867, 94; 1868, 46; 1869 48; 1870, 48; 1871, 37; 1872, 44; 1873, 41; 1875, 36.
white Chester breed of, 1865, 475. (See Hog.)

Switzerland,
statistics of farm animals in, 1876, 269.
Sycamore,
maple, with variegated and laciniated foliage, 1868, 202.
of Palestine and the button-wood, 1859, 14.
Sylvanus,
the square-necked, 1855, 97.
Syrphus,
habits and benefits of the, 1854, 84; 1855, 112.
Tacamahaca,
resin, source and uses of, 1870, 182.
Tachina,
habits, etc., of the, 1867, 66.
Tackle,
different kinds of steam-plow, 1869, 298.
Taipoo,
oil, source and use of, 1870, 174.
Tallicoonah,
or Hundoo oil, 1870, 174.
Tallow,
by the canals to the Hudson, 1851, 519; 1852, 433.
exports and imports of, 1845, 1115; 1848, 732; 1849, 500; 1851, 550; 1857, 32.
imports into the United Kingdom, 1845, 1075; 1848, 736.
Saint Louis and Cincinnati, 1850, 557; 1851, 546.
markets for, 1876, 211, 218, 220.
obtained by the steaming process, 1844, 397–400; 1865, 494.
percentage of, in cattle, 1847, 486.
source and use of vegetable, 1859, 550.
statistics of reports of, 1851, 527; 1852, 422, 426, 437, 438; 1853, 4; 1854, 477, 481, 484, 485, 487, 488, 491, 494, 496, 497, 500, 501; 1855, 17, 395, 398, 400, 404, 405, 406, 410, 412, 413, 415, 416, 418, 422, 423; 1856, 498, 500, 501, 502, 503, 508, 509, 512, 513, 516, 519, 522; 1858, 223; 1863, 600; 1864, 598; 1865, 80; 1866, 94; 1868, 52; 1869, 54; 1870, 63; 1872, 54; 1873, 84.
the tree, 1851, 54.
Tamanu,
oil and resin of, 1870, 175.
Tamarind,
in Virginia, 1854, 321.
of the tree and fruit, 1855, lv, lvi; 1870, 203.
specimen in conservatory, 1870, 14.
uses of the Indian, 1859, 337.
Tamarisk,
manna, 1870, 184.
Tanager,
the scarlet, 1863, 298; 1864, 412.
Tannery,
number of, in the United States, 1851, 600.
Tanning,
materials of America, and analyses of, 1876, 52.
Tansey,
uses, etc., of, 1854, 383.
Tanyah,
in the West Indies, Carolinas, etc., 1854, 383.
Tares,
cultivation of, and effects of, 1869, 504.
Tariff,
on agricultural products, 1843, 185.
the British, 1845, 1107; 1842, 51.
Canada, 1845, 1053.
new, 1843, 223.
Tarragon,
uses, etc., of, 1854, 384.
Tartar,
cream of, in grape-juice, 1859, 61.
manufacture of, in Sicily, 1859, 122.
Tea,
adulteration of, 1871, 235.
analysis of the Carolina, 1871, 99.
article on, 1870, 192–199.
cultivation of, 1850, 170–179; 1857, 166–181; 1860, 446–467.

Tea,
importations into England, 1850, 193; 1869, 235.
imports and exports of, 1858, 233.
in Brazil and Assam, 1843, 163; 1848, 169.
California, 1872, 449.
India, 1863, 514.
Madeira and the Indian Isles, 1863, 514.
South Carolina, 1848, 168; 1849, 402; 1850, 192; 1863, 516.
the department, 1858, 282; 1859, 2–13; 1870, 19; 1874, 7.
United States, 1869, 235–242.
maté or Paraguay, 1854, xxxiv; 1859, 15.
of China, notes on, 1843, 163.
plant in the United States, 1849, 402.
sida as a substitute for, 1843, 109, 163.
source of beneficial qualities, 1861, 369.
the plant, 1855, xlii–xlviii; 1876, 69, 70.
trade, with tables, 1849, 513.
trans-continental trade, 1871, 235; 1873, 289.
Tear-thumb,
arrow-leaved and halbert-leaved, 1865, 517.
Teasel,
article on, 1850, 315–319; 1863, 117–119.
as a weed, 1865, 512.
Tedder,
patents for hay, and makers, 1869, 327.
utility, etc., of the hay, 1869, 426; 1872, 289; 1874, 290.
Teel,
uses and value of, oil, 1870, 173.
Telegraph,
effect of electricity on the wires of, 1859, 509.
letter from Morse on European, 1845, 84–89.
magneto-electric machine with the, 1844, 440.
Morse's, 1843, 243; 1844, 442, 444, 448.
patent machines for, 1848, 21, 22.
the electro-magnetic, 1843, 9.
visual and magnetic, 1844, 446.
Temperature,
at different elevations, 1854, 431; 1870, 115, 172.
below the earth's surface, 1857, 485.
causes of variation and tests of, 1864, 337, 345, 347.
comparisons of, 1853, 421, 422; 1863, 485, 486.
estimating by rings in trees, 1857, 491.
for cane and cotton, 1853, 358, 369.
Indian corn, 1853, 346, 354.
the vine, 1853, 375, 382.
in California, 1868, 294.
different States, and Chiswick, England, 1865, 291, 525.
observations on, 1857, 463, 480.
of earths exposed to the sun, 1857, 493.
Lakes Ontario and Erie, 1866, 160, 161, 165, 173.
places in Russia and Ireland, 1861, 35, 61.
the human body, 1863, 395.
silk districts, 1868, 295.
summer months, 1853, 406, 413.
wheat districts, 1853, 393.
year 1857, 1857, 507, 526.
1858, 1858, 526.
tables of extreme low, on the plains, 1853, 351.
in Europe, Asia, and North America, 1853, 332, 333, 336, 337.
minimum in California, 1853, 350.
the lowest for each month, 1853, 349.
the highest east of the Rocky Mountains, 1853, 432.
minimum at stations, 1853, 362.
to ripen cereals, 1870, 115.
variations of, on plant-growth, 1871, 236.
Tennessee,
Agricultural College. (See College.)
condition of agriculture in, 1848, 521.
fences in, 1871, 504.
forests, etc., 1875, 291.

Tennessee,
fruit-culture in, 1871, 159.
geology and fertilizers of, 1869, 562.
hogs packed in, 1876, 232.
Horticultural Society of, 1875, 464.
laws of, 1863, 463; 1871, 223.
lands in, 1867, 106, 115.
live stock in, 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
of tobocco in, 1848, 523.
remarks on crops of, 1842, 16, 18, 19, 26; 1843, 73, 85; 1844, 66, 75; 1845, 141, 152, 156, 164; 1847, 136, 169, 172; 1848, 117, 123, 144, 150, 152, 169; 1851, 351, 353, 355; 1852, 311.
tabular estimate of crops of. (See Crop.)
value of the Agricultural College, 1873, 352.
Ten-o'clock,
as a weed, 1865, 517.
Territory,
acres and crops in the, 1867, 87; 1869, 32; 1870, 34; 1871, 25; 1872, 20; 1873, 29; 1874, 30.
agricultural capabilities of the, 1869, 601–626.
area of the, 1849, 507.
farms and lands in each State and, 1872, 48.
forests, etc., of the Indian, 1875, 334.
lumber in Washington, 1868, 448.
of Colorado, 1861, 154–157.
public lands in the, 1868, 462.
stock in Nebraska, 1863, 606.
tabular estimate of the crops of the. (See Crop.)
value of live stock in the, 1867, 95; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1876, 112.
yield and value of crops of the, 1869, 35; 1870, 37; 1871, 29; 1872, 24; 1873, 25; 1874, 33.
Youkon of Alaska, 1868, 172.
Test,
of Department seed, 1862, 543; 1869, 242; 1870, 155; 1871, 125; 1872, 407; 1873, 210; 1874, 179. (See Seed.)
Texas,
Agricultural College of. (See College.)
breeds of cattle in, 1854, 20.
cattle disease, 1868, 4; 1869, 540; 1870, 506.
trade, 1870, 346, 352, 506.
cheese-making in, 1872, 452.
farming in, 1872, 437.
fences in, 1871, 503.
forests, etc., 1875, 283.
fruit-growing in, 1871, 158.
irrigation in, 1867, 194.
lands in, 1867, 106, 115.
laws of, 1871, 223.
live stock in, 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
meat canning in, 1872, 439.
native grapes of, 1859, 30.
of sheep-raising in, 1854, 55.
remarks on crops of, 1845, 282; 1847, 173; 1848, 557, 561; 1850, 188, 215; 1851, 339, 345, 348, 350; 1853, 46, 124, 199; 1854, 133, 134, 169, 185, 302, 317.
tabular estimate of crops of. (See Crop.)
value of college property, 1873, 353.
wild horses of, 1863, 169.
Textile,
and forage crops, 1854, 174; 1856, 252.
fibers of the Pacific States, 1864, 471, 477.
materials in the Paris Museum, 1865, 95.
substances, manufacture of, 1843, 259; 1844, 476; 1845, 53; 1846, 63; 1847, 60; 1848, 32.
tables of production of, 1873, 68. (See Fiber.)
Theine,
in tea, coffee, and the kola-nut, 1861, 369; 1870, 192, 196, 197.

Theory,
of a four years' course of husbandry, 1860, 165.
cultivation, 1847, 218.
the potato-disease, 1848, 564.
on agriculture, 1847, 223; 1848, 195, 209.
the atomic, 1857, 423.
Thimble-berry,
for Indian food, 1870, 415.
Thistle,
common yellow and Canada, 1865, 514.
law in France, 1869, 504.
the Canada, 1852, 182; 1860, 134.
use of oil, 1870, 181.
Thistle-bird,
habits, etc., of the, 1864, 421.
Thorn,
evergreen haw, and blight, 1873, 183.
for live fences, 1854, 408, 410, 417, 418.
Jew, or African date plum, 1859, 343.
the white, for pear stock, 1873, 332.
Thorn-apple,
or Jimson weed, 1865, 516.
Thrasher,
improvements in the, 1874, 289, 290.
origin of the horse-power, 1863, 432.
various, with illustrations, 1866, 274, 275, 277.
Thrashing,
different modes of, 1863, 432, 433; 1866, 273.
patented machines for, 1843, 312; 1869, 328.
trial of, machines at Paris Exposition, 1872, 290.
Thrips,
habits, etc., of the, 1864, 545; 1866, 40.
recipe for destroying the, 1870, 87; 1871, 87.
the grape-vine, 1873, 161; 1874, 144.
true, 1871, 86.
Thrush,
the brown, 1863, 300; 1864, 404.
family of, 1863, 282.
food of the hermit, 1865, 39.
golden-crowned and water, 1864, 408.
wood, hermit, Wilson's, olive-backed, and gray-cheeked, 1863, 295.
cause and treatment of, 1870, 371.
Thyme,
for bees, 1868, 281.
use of oil of, 1870, 174.
varieties, culture, etc., 1854, 384; 1865, 248.
Tick,
beggar, 1865, 513.
on sheep, 1863, 236; 1864, 563; 1872, 135.
Tile,
cost of, 1870, 598; 1871, 366.
drainage with, 1856, 176, 178, 180; 1858, 278, 279; 1863, 435.
of laying, 1868, 485; 1869, 446; 1870, 599, 600.
when the water enters, 1856, 180; 1871, 366.
Tillage,
chemical effects of, 1850, 72.
in Japan, 1873, 367.
of deep, 1872, 458, 459.
Timber,
and tree culture, 1872, 442.
belts for protecting orchards, 1870, 523.
consumption of, in California, 1875, 345.
contract in Illinois for the British Navy, 1871, 233.
cultivation in Iowa, 1868, 516; 1869, 541.
destruction of, during the rebellion, 1865, 215.
direction for planting, etc., 1873, 440.
exports of pine, from Georgia, 1875, 353.
facts about, 1873, 283.
forests and, 1868, 447–449.
from the British Provinces, 1873, 74.
growing in Nebraska, 1871, 378.

Timber,
impregnating with different substances, 1846, 30.
increase in the price of, 1865, 211; 1872, 443.
in Ohio, 1872, 500, 501.
insects injurious to, 1868, 112.
law encouraging growth of, 1875, 334.
of protecting, by law, 1872, 7.
growing, 1869, 94.
on the prairies, 1862, 495, 496.
plan of economizing, 1865, 217.
planting for, 1870, 543.
premium for the best ten acres, 1872, 479.
preservation of, by salt, 1844, 457.
profits of growing locust, 1845, 981.
raising in New Hampshire, 1872, 497.
ship, of the United States, 1866, 472–497.
the catalpa, as a post, 1844, 458.
time for felling or cutting, 1849, 367, 485; 1870, 619.
trees and, 1874, 273.
Titmouse,
family of the, 1863, 301.
the black-cap or chickadee, 1864, 420; 1865, 41.
tufted, 1865, 41.
Toad,
as insect-destroyers, 1870, 90; 1874, 142.
Tobacco,
acreage, yield, value, etc., of, 1876, 91.
American, in Germany, 1845, 750.
analysis of, soils and ash of plant, 1858, 290, 296, 301, 304, 307.
article on, 1853, 236-239; 1854, 209–212, 212–217; 1855, 266, 267; 1862, 123–129; 1863, 87–90; 1867, 179–184; 1874, 42–59; 1875, 53.
average per acre of, 1850, 349, 379; 1851, 232, 306, 450; 1852, 332; 1853, 241.
book notice, 1873, 318.
correspondence on, 1853, 239; 1854, 217; 1855, 267.
crop in Ohio and Massachusetts, 1870, 451.
cultivating, curing, and packing, 1845, 749; 1847, 428.
cultivation of California, in Virginia, 1843, 231.
cost of, in New York, 1845, 265.
Cuba, in Missisippi, 1849, 326.
Florida, 1849, 456.
Havana, 1847, 429.
in Connecticut, 1844, 101; 1845, 7 0; 1853, 240.
Europe, 1876, 263.
Germany, 1847, 332.
Island of Cuba, 1845, 743.
Italy, 1864, 499.
Japan, 1873, 371.
Kentucky, 1845, 741.
Massachusetts, 1845, 744.
Sicily, 1859, 119.
Virginia, 1845, 746.
Wisconsin, 1871, 405.
deterioration of Spanish, in Maryland, 1843, 74.
directions for harvesting, etc., 1849, 459.
effect of a change of seed, 1870, 169.
estimate of crops. (See the various States.)
experiment in curing, 1847, 170.
exports from Brazil to Great Britain, 1873, 144.
of, 1844, 105; 1856, 497, 498; 1857, 46; 1858, 234
eye-bright, or Indian, 1865, 515.
fertilizers for, 1872, 433.
geographical range of, 1853, 386.
growing States, 1841, 74.
importation, etc., at New York, 1849, 517.
increase in cultivation and trade of, 1862, 549.
in Illinois and New England, 1842, 22.
insect feeding on, 1868, 116.
interrogatories on, 1858, 67.
its manufactures, etc., 1857, 46; 1858, 234.
Latakia, 1865, 32.

Tobacco,
Liverpool, annual report of, 1845, 753.
manufactories of, in Virginia, 1864, 37.
of topping, 1850, 321.
prize-essay on culture of, etc., 1849, 318.
production of, in the United States, 1867, 2.
progress of culture in this country, 1872, 294.
raising and curing, 1850, 225; 1851, 304.
rates of freights on, to Liverpool, etc., 1848, 787.
remedy for the fly, 1844, 107.
reports of consuls on, in other countries, 1859, 524–533.
spot or rot in, 1845, 747.
statistics of States yielding, 1875, 56.
superphosphate of lime for, 1852, 411.
table of time for planting, etc., 1848, 658.
per cent. of soluble matter in, 1849, 325.
tabular statement of, and manufactures, 1872, 80.
trade, 1849, 491, 492.
use of worms for soup, 1870, 427.
worms and curing, 1848, 523.
worms and remedies for, 1849, 458; 1869, 296; 1873, 157.
Tomato,
Cooke's favorite and the Tilden, 1870, 169.
cultivation in Virginia, 1854, 224.
of, 1865, 245, 269.
experiments with, 1871, 141; 1875, 365–368.
history, etc., of, 1854, 384; 1859, 357.
in soup, 1844, 332.
of preserving, 1854, 385; 1862, 493.
variety from France, 1854, xxii.
varieties on experimental farm, 1865, 31.
Tool,
arrangement of a, house, 1856, 453.
grafting, 1856, 318.
implements and, 1856, 452.
recently patented, 1845, 52; 1846, 49; 1847, 58; 1848, 60.
superiority of American, 1843, 255.
Top-dressing,
benefits of, 1871, 352, 383.
clover, 1873, 466.
compost for, 1871, 352, 383.
experiments in, 1868, 425; 1874, 433.
Tornado,
cause and philosophy of, 1858, 486, 487.
Tortrix,
the cotton, with remedy, 1855, 82.
Trade,
Austrian and Swedish, 1873, 143.
Calais, Toledo, Oswego, Vermillion, and Cuba, 1849, 518, 547, 548, 550, 571.
coffee and sugar, 1851, 556.
cotton, 1849, 510; 1852, 439.
domestic, in flour and grain, 1876, 177.
iron, 1849, 511.
lumber, of New York, 1850, 566.
Oregon, 1849, 511.
lake, river, and canal, 1847, 578; 1848, 788, 803, 805, 811; 1850, 531; 1851, 519, 551; 1852, 427, 433.
New Orleans and Cincinnati, 1852, 425, 436.
New York cattle, 1852, 431.
of Tripoli, 1864, 503.
pork, of the West and Saint Louis, 1850, 544, 551.
provision, wool, and tea, 1849, 512, 513.
Russian and British, 1873, 141.
Southern, in fertilizers, 1873, 272.
tricks of, 1869, 427.
with Brazil, 1876, 271.
British America, 1873, 72.
Tragacanth,
source and production of, 1870, 182.

Transplanting,
and treatment of grape-vines, 1849, 286.
benefit of fall, 1872, 463.
of plants, theory of, 1857, 254.
trees, etc., 1849, 271; 1850, 85, 455, 456, 458; 1867, 340.
Winter, 1850, 458.
Transportation,
article on, 1848, 691.
book notice, 1871, 415.
convention of farmers on cheap, 1873, 395.
importance of cheap, 1874, 383, 414.
improvements in, in Florida, 1871, 165.
mode of, in South America, 1865, 495.
of cattle, abuses in, 1870, 251, 352.
evils attending, 1872, 438.
in Austria, 1872, 438.
Scotland, 1869, 437.
of living fishes, 1859, 228.
Trap,
Youkon fish, 1870, 389–392.
Tree,
analysis of different parts of, 1849, 475.
and timber, 1871, 233; 1872, 442, 500; 1873, 283; 1874, 273.
as rain producers, 1868, 448; 1871, 355, 373.
belts of forest, as protectors, etc., 1865, 535, 540.
book notice, 1868, 580; 1869, 492; 1870, 533.
botanical names of several, 1870, 14.
causes of the exhaustion of fruit, 1874, 449.
centennial collection of forest, 1875, 151.
circle culture of fruit, 1858, 375,
culture, 1849, 271; 1850, 85, 435, 455–458; 1852, 212; 1853, 266; 1860, 444; 1862, 544; 1872, 161–162.
and management of forest, 1864, 43–53; 1870, 229; 1874, 395, 413.
in Colorado, 1869, 548; 1871, 409.
Illinois, 1873, 384.
decay of orange and lemon, in Italy, 1869, 635.
design for artificial planting, 1873, 441.
directions for planting, 1872, 463, 474, 503; 1873, 403, 439, 440, 442.
drainage for fruit, 1869, 446.
effect of, on vapors and temperature, 1869, 502, 546.
experiments needed on forest, 1865, 218.
fertilizers for fruit, 1854, 108; 1870, 618.
for hedges, 1854, 396.
ornamental planting, 1868, 200–203; 1869, 171, 180.
selecting pear, 1861, 234.
forest and, of North America, 1860, 416–445.
for street and avenue planting, 1868, 197, 199.
the prairies, 1862, 496.
fruit, for Wisconsin, 1874, 422.
of the Middle States, 1865, 199.
with short trunks, 1854, 280.
growing fruit, in wooden troughs, 1863, 551.
how the Chinese dwarf, 1861, 331.
horizontal training of fruit, 1866, 99.
imports and exports of, 1858, 232, 233.
in Michigan and Iowa, 1867, 358.
insects feeding on, 1868, 105, 109, 115.
in the botanical garden at Naples, 1859, 129.
gardens at Kew, 1870, 110.
Island of Isola Madre and Bella, 1859, 135, 136.
mulberry, 1859, 128.
of planting evergreen, 1873, 436.
ornamental and shade, for Minnesota, 1873, 436.
period of flowering of, 1854, 329, 436, 446; 1864, 339.
planting encouraged by law, 1869, 541.
shade, 1863, 335; 1869, 178.
premiums on, and profit of planting, 1868, 449.
protecting, from the hot rays of the sun, 1873, 435.
pruning, 1863, 552.
raising evergreen, from seeds, 1862, 497.
statistics of, in Kansas, 1875, 336.

Tree,
stocks for fruit, 1856, 327.
table of distances to set, 1860, 131.
the best forest, for Iowa, 1869, 543; 1871, 349.
camphor and tung-oil, 1859, 14, 15.
carob, or St. John's bread, 1854, xxvii.
China, for bots, 1872, 131.
cork, 1854, xxxiii; 1858, 334, 335, 337; 1859, 14.
cow, 1870, 198.
practice of scraping, 1870, 522.
staff, 1870, 422.
structure and growth of, 1866, 492.
tallow, 1851, 54–59.
to protect, from mice, 1851, 153; 1856, 90.
treatment of peach, 1861, 330.
(See Forest.)
Trefoil,
yellow and black, for fodder, 1854, xxiii.
Trellis,
construction of, 1868, 203.
covered grape, 1861, 498; 1869, 80.
the wire, 1867, 166.
Trichina,
spiralis, article on, 1869, 389–393.
Trichius,
the delta-throated, 1855, 89.
Tripoli,
mineral in Alabama, 1851, 652.
Trout,
breeding, 1859, 230; 1860, 303, 308; 1868, 320, 327, 328, 333, 334, 335, 336, 337, 338; 1869, 424.
book notices, 1873, 319.
culture of brook, 1872, 248–257; 1873, 451, 453, 465.
in Rhode Island, 1874, 419.
fresh and salt water, of the South, 1866, 408.
habits of, in spawning, 1859, 222.
in the ponds and streams of the Northern States, 1870, 542.
kinds of, for Ohio, 1874, 416.
longevity of the, 1873, 451.
of Alaska, 1870, 383, 384.
the family of, 1866, 413.
propagation of the salmon, 1872, 261.
scientific names of, 1859, 224.
Truck,
farming in New Jersey, 1869, 447.
Truffle,
cultivation of the Piedmontese, 1854, 385, 386.
Tuber,
book notice, 1873, 311.
of the potato, 1868, 226.
used for Indian food, 1870, 405.
Tuckahoe,
analysis of, 1871, 98.
or Indian Head, history, etc., of, 1870, 423, 424.
Tufa,
the, of Michigan and Virginia, 1869, 574; 1872, 138.
recent calcareous, 1868, 369; 1869, 571, 574.
Tulip,
as a spring flower, 1863, 365; 1870, 534; 1873, 312.
poplar as an ornamental tree, 1868, 198, 199.
variety of tree with variegated foliage, 1868, 202, 203.
Tumeric,
source and uses of, 1869, 365; 1870, 203.
Turkey,
article on, 1862, 362, 363; 1864, 357, 360; 1866, 288–290.
the bronze, 1870, 332.
directions for feeding, etc., 1870, 536.
improvement of, by wild blood, 1861, 261.
insects destroyed by, 1862, 388.
interrogatories on the, 1858, 86.

Turkey,
management of, 1870, 331.
profit of keeping, 1870, 340.
the family of, with habits, etc., 1863, 305.
Turkey,
statistics of population, productions, etc., in, 1876, 255–265.
Turning,
machine for irregular forms, 1843, 304; 1844, 505; 1847, 80; 1848, 52.
Turnip,
analysis and composition of, 1849, 268, 269; 1864, 282; 1865, 418; 1870, 299.
article on, 1854, 197–207; 1862, 273; 1866, 211–213.
as sheep food in England, 1860, 158.
best soil and quantity of manure for, 1871, 358, 359.
correspondence on, 1854, 207; 1855, 261.
cultivating, among corn, 1864, 303.
cultivation and manures for, 1849, 266; 1850, 51, 160, 273; 1853, 82, 83.
desirable varieties of, 1854, 386.
experiments with, 1852, 393, 402, 405; 1855, 262–265; 1868, 421, 422; 1871, 141; 1875, 365, 367.
feeding cabbages and, to cows, 1869, 441.
for early market, 1865, 245.
feeding, 1851, 183, 239; 1863, 99; 1864, 201; 1865, 417; 1867, 340; 1872, 492; 1874, 233.
green manuring, 1843, 126.
in Great Britain, 1845, 303.
New York, 1845, 303; 1847, 183.
interrogatories on, 1858, 61.
knot disease of, cause and remedy for, 1872, 128.
management of crop of, 1852, 403.
native locality of, 1859, 327.
phosphorite for, 1856, 228.
nutriment of, 1843, 120; 1844, 386; 1861, 135; 1862, 273.
ruta-baga, 1848, 375; 1849, 266; 1852, 410; 1863, 98.
size of, in California, 1851, 4; 1854, 197.
Iowa and New Mexico, 1852, 344, 351.
superphosphate of lime on, 1852, 393, 402; 1864, 281; 1868, 504.
the Russian, in Texas, 1870, 168.
ruta-baga in Massachusetts, 1868, 481.
Swede, 1873, 309; 1875, 502.
varieties imported from London, 1854, xviii.
yield of, 1847, 184; 1848, 158; 1850, 203; 1852, 227; 1859, 446, 452.
Uji,
Mr. Adams's report on, 1870, 240.
Ulikon,
abundance of, in Alaska, 1870, 381.
Ulmic,
compounds of peaty matter, 1875, 196.
Underdrain,
an inexpensive, 1869, 426.
proper depth and materials for, 1858, 277, 278; 1870, 592.
Underdraining,
article on, 1868, 513; 1870, 584–600.
directions for, 1858, 276.
effect of, in drying lands, 1869, 446.
expense, profit, and benefits of, 1871, 371, 417; 1873, 427.
experiments in, 1872, 467.
extensive, in England, 1851, 2.
importance of more extensive, 1870, 507.
successful experiment in, 1851, 29.
Unicorn,
plant, used by the Indians, 1870, 422.
United States,
Agricultural Society of, 1866, 525.
agricultural resources, manufactures, and commerce of, 1861, 6, 7, 8; 1862, 556.
at the exhibition at Hamburg, 1863, 26, 30.
climatic characteristics, 1853, 328, 395; 1858, 477.
dairy products of, 1865, 453.
fences in, 1871, 497.
of Colombia, exports and imports of, etc., 1876, 274–276.
pasture lands of, 1870, 301.
physical geography of, 1856, 477.

United States,
population of, 1842, 4; 1843, 12; 1844, 11; 1845, 90; 1847, 84; 1848, 92; 1857, 48; 1862, 559.
table of acres in farms and other lands, 1872, 48.
the areas of the States and Territories, 1849, 508; 1850, 569.
value of farm implements and live stock of, 1873, 62.
weights and measures of, 1871, 218.
wools of, 1871, 187.
University,
Alcorn, 1871, 320; 1872, 338; 1873, 340; 1874, 334; 1875, 485.
Arkansas, 1871, 306; 1872, 350; 1873, 322; 1874, 313; 1875, 470.
Brown, 1867, 330; 1868, 547; 1871, 327; 1872, 382; 1873, 350; 1874, 342; 1875, 493.
California, 1867, 319; 1871, 307; 1872, 350; 1873, 323; 1874, 315; 1875, 471.
Claflin, 1871, 328; 1872, 382; 1873, 351; 1874, 343; 1875, 493.
Cornell, 1865, 184; 1867, 329; 1868, 546; 1869, 470; 1871, 323; 1872, 373; 1873, 345; 1874, 339; 1875, 490.
duty of Congress to establish a, 1852, 10.
East Tennessee, 1871, 328; 1872, 383; 1873, 352; 1874, 343; 1875, 494.
Georgia, 1871, 310; 1872, 353; 1873, 327; 1874, 319; 1875, 474.
Illinois, 1867, 320; 1868, 542; 1869, 452; 1870, 471; 1871, 310; 1872, 357; 1873, 329; 1874, 320; 1875, 475.
Kentucky, 1865, 183; 1867, 323; 1869, 455; 1870, 474; 1871, 313; 1872, 361; 1873, 333; 1874, 326; 1875, 478.
Minnesota, 1867, 318, 327; 1868, 545; 1869, 461; 1870, 479; 1871, 319; 1872, 366; 1873, 338; 1874, 332; 1875, 483.
Mississippi, 1871, 320; 1872, 367; 1873, 339; 1874, 333; 1875, 484.
Missouri, 1869, 462; 1870, 480; 1871, 320; 1872, 369; 1873, 341; 1874, 335; 1875, 486.
Nebraska, 1870, 481; 1871, 322; 1872, 371; 1873, 343; 1874, 336; 1875, 487.
North Carolina, 1871, 324; 1872, 374; 1873, 347; 1874, 339; 1875, 491.
of Edinburg, Halle, and Leipzig, 1868, 133, 138.
Virginia, farm experiments by, 1872, 387.
Parke Custis' plan, 1866, 518.
plan for an industrial, 1851, 37.
Purdue, 1871, 311; 1872, 359; 1873, 330; 1874, 321; 1875, 476.
statistics of, 1867, 318, 319; 1871, 332, 334; 1872, 394, 396; 1873, 360, 362; 1874, 350; 1875, 500, 501.
Vermont, 1865, 184; 1867, 330; 1870, 484; 1871, 329; 1872, 384; 1873, 353; 1874, 344; 1875, 495.
West Virginia, 1869, 469; 1870, 486; 1871, 330; 1872, 392; 1873, 357; 1874, 347; 1875, 497.
Wisconsin, 1867, 331; 1868, 548; 1869, 469; 1870, 486; 1871, 330; 1872, 392; 1873, 359; 1874, 347; 1875, 498.
Urine,
analysis of, 1845, 1042; 1855, 139; 1860, 114; 1871, 477.
of collecting and applying, 1865, 376; 1867, 243.
value as a manure, 1860, 114; 1865, 373; 1874, 435.
Uruguay,
exports to, 1876, 277.
Utah,
Angora and Thibet goats in, 1872, 439.
article on, 1868, 464, 465; 1869, 617, 618.
farms, lands, animals, and crops of, 1851, 495, 497, 499; 1867, 195.
fences in, 1871, 506.
forests, wood, etc., 1875, 331.
increase of rain fall in, 1872, 325.
irrigation, etc., in, 1867, 195; 1869, 431.
Lake Valley, 1870, 563–569.
name and value of the currants of, 1868, 118.
results of industry in, 1871, 363.
soil, climate, and productions of, 1851, 492, 493.
value of farm property and products in, 1873, 62, 63.
wool and textile fabrics, 1873, 65, 70.
Valerian,
property and use of wild, 1870, 409.
Valley,
Big Black-foot, Hell Gate, Missoula, Blacktailed-Deer, 1871, 437, 438, 439.
Cedar, Kansas, Rush, San Pete, 1870, 564, 565.
Great Salt Lake, 1869, 617; 1870, 561.
Green River, Big Sandy, 1870, 558.
Hansee Spring, Blue Spring, Malade, Cache, 1870, 560.

Valley,
Jocko, Deer Lodge, Flint Creek, Stone Creek, Bitter Root, 1871, 434, 435.
Jordan, Tooele, Lone-Rock, Utah Lake, 1870, 562, 563.
Laramie, Sweet Water, Chugwater, 1870, 550, 554.
Missouri, Judith, 1871, 444, 445.
Red River, 1869, 608.
North Deep Creek, South Deep Creek, 1871, 443.
Platte, Cache a la Poudre, and Arkansas, 1869, 604, 605.
Prickly Pear and Cowlitz, 1869, 610, 613.
Rio Bonito, Rio Charmer, and Colorado, 1869, 622, 623, 624.
Sacramento and San Joaquin, 1872, 183; 1873, 381.
San Pedro and Santa Cruz, 1869, 625.
Santa Clara, 1870, 567.
Sevier River, Round Lake, Cold Creek, 1870, 566.
Virginia, 1863, 53; 1870, 271.
Yakama, Methow, Okinayum, and Walla-Walla, 1869, 615, 616.
Vanilla,
origin, cultivation, uses, etc., of, 1855, xxiii, xxiv; 1870, 204; 1876, 69.
Vapor,
article on, 1858, 430–475.
effect of, in checking radiation, 1865, 528.
table of, mean force of, near Philadelphia, 1865, 523.
temperature of the air on, 1865, 522.
Variety,
definition of a, 1867, 297.
improvement and degeneration of, 1867, 310–314; 1872, 504.
names of the grape, 1869, 81–83; 1871, 402.
origin of, 1867, 306, 307, 309.
Vegetable,
canning and preserving, 1873, 430.
exports of, 1872, 60.
fiber and cell, 1859, 372, 373.
for food, 1861, 369; 1868, 474.
fruits and, 1870, 441.
garden, 1863, 346, 349; 1864, 110, 111; 1871, 364.
influence of arsenical compounds on, 1875, 144.
insects found in decaying, 1868, 116.
large crop of, 1845, 928.
minor products, 1870, 170, 204, 205.
nutrition, 1848, 232.
of California, 1866, 597.
philosophy of, life, 1869, 105, 106, 108, 110, 115, 118, 125, 128, 132, 149.
physiology, 1870, 613.
seeds of, from the Department, 1870, 168; 1871, 139; 1872, 421.
shipping garden, 1869, 447.
soil suited to roots and, 1871, 358.
Vegetation,
agents supplying aliment to, 1850, 75.
galvanic experiments on, 1844, 370.
light and shade on, 1854, 109.
of seeds, 1844, 365.
the Andes, 1870, 172.
vertical range of, 1853, 428.
Veneer,
patent for sawing, etc., 1843, 300.
Venezuela,
our commerce with, 1876, 279.
Ventilation,
at the bottom, 1843, 6.
book notice on, 1871, 429.
of stables and barns, 1867, 243, 290.
the bolting-chest, 1862, 427.
Ventilator,
for barns, 1864, 298; 1867, 291.
Verbena,
to cultivate, in the house, 1863, 367.
Vermont,
book notice, 1871, 415.
butter, 1869, 361.
digest of reports of, 1873, 468–476; 1876, 424–429.

Vermont,
farming in, 1874, 199.
fences of, 1871, 500.
forest area and farms, 1872, 46, 48.
forests, etc., of, 1875, 251.
laws of, 1863, 457; 1864, 442; 1869, 400; 1871, 219.
live stock in, 1863, 606; 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
marble and roofing slate of, 1852, 133; 1862, 448.
mineral fertilizers of, 1868, 372.
of lands in, 1867, 102, 110.
pear culture in, 1872, 441.
prices of animals in, 1873, 36.
profit of corn production in, 1854, 134.
remarks on crops of, 1842, 18; 1843, 19, 42, 43, 51, 53, 57, 66; 1844, 37, 39, 50, 55, 59, 71, 89, 138; 1845, 160, 163, 165, 193, 249; 1847, 135; 1848, 131, 136, 143, 366, 367; 1849, 86, 200, 225, 242, 260, 264; 1850, 221, 335; 1851, 148, 149, 152, 154, 156, 659; 1852, 133, 141, 143, 144, 146; 1853, 125, 150, 155, 163, 174, 220; 1854, 134, 135, 167; 1855, 199.
report of State committee on fruit, 1852, 37, 38.
sheep husbandry in, 1849, 88; 1861, 260.
societies of, 1875, 465, 466.
stock-raising and dairying in, 1853, 18, 25; 1874, 245.
tabular estimate of crops of. (See Crop.)
the Merino sheep of, 1864, 186; 1865, 484.
university of. (See University and College.)
yield of wheat in, 1855, 199.
Veronica,
as a house plant, 1863, 372.
Vessel,
improvements in propelling, 1844, 487; 1848, 42.
magnetism and the corrosion of, 1843, 280.
Vetch,
analysis of the French and common, 1865, 419.
for fodder, 1843, 108; 1847, 518; 1860, 230.
in Europe, 1864, 306, 307.
use of the milk, by the Indians, 1870, 419.
worthlessness of the kidney, 1869, 91.
Vicuña,
description, habits, etc., of the, 1857, 66; 1865, 96.
hybridization of the, 1857, 70; 1865, 96.
Vine,
book notice on, 1872, 400.
cultivation of, for wine, 1848, 614, 615; 1867, 163.
the, and olive, 1866, 522.
districts of Switzerland and Germany, 1867, 171.
effects of the poison vine or oak on, 1865, 511.
importance of shelter for, 1863, 491; 1865, 542.
in Europe, 1867, 165.
Italy and France, 1860, 380, 384.
injury of the flax, to flax, 1865, 516.
in the United States, 1853, 372–386.
Wisconsin, 1869, 539.
lands of Crooked, Seneca and Cayuga lakes, 1866, 152.
of North Carolina, 1849, 283.
pruning, 1873, 377; 1874, 420, 421.
on the arid soils of California, 1870, 516.
rules for suiting varieties to districts, 1863, 493–495.
Saunders' trellis for, 1861, 498.
selection of varieties, 1863, 482.
soil for, and management of the, 1867, 165–167.
temperature affecting, 1863, 478.
the Concord, in Missouri, 1871, 373.
cypress and balloon, 1868, 205, 206.
wild potato, 1870, 407.
what, most injured by freezing, 1874, 421.
(See Grape.)
Vinegar,
for manufacturing, 1848, 75; 1862, 494.
from fruit, 1870, 618, 619.

Vinegar,
how to destroy eels in, 1871, 119.
value of exports of, 1853, 261.
Vineland,
article on, 1869, 410–415.
Vineyard,
article on, 1845, 932, 935, 938, 946–952; 1847, 470.
book notices on, 1868, 569, 571.
cost of planting, 1858, 346.
German, and the vine disease, 1867, 174.
in Erie County, Ohio, 1853, 304.
Florida, 1867, 146.
France and the United States, 1858, 366; 1867, 165.
Illinois, 1873, 386.
Indiana, 1852, 305.
Kansas, 1874, 394.
Minnesota, 1873, 435.
Missouri, 1857, 235–237; 1861, 480; 1862, 208; 1868, 521.
Ohio, Kentucky, etc., 1853, 310; 1855, 306; 1861, 532.
the British Colonies, 1853, 298.
Canary Islands, 1865, 330.
northern States, 1868, 567.
near Los Angeles, 1858, 343; 1870, 516.
of El Paso, Texas, 1859, 37.
Iowa, 1871, 231.
Malaga, Cadiz, Germany, 1860, 391, 393.
Ohio, 1858, 417; 1861, 470; 1870, 498.
Ohio, Pennsylvania, and Iowa, 1845, 312.
San Gabriel, 1858, 347.
Scio, Italy, the Hermitage, Latour, 1860, 379, 380, 388, 389.
the Concord grape, 1871, 373.
Piedmont region of Virginia, 1864, 39.
Scuppernong at Wilmington, 1869, 447.
Point de Peau, 1872, 485.
preparation of soil, etc., 1861, 510, 512, 516, 536; 1868, 568.
pruning, 1854, 316; 1873, 377.
selection of sites for, 1863, 151.
soil, position, drainage, etc., of, 1856, 408–443; 1861, 471, 509; 1862, 593; 1867, 171; 1873, 382.
statistics of, 1868, 208.
the best soil and location for, 1868, 214, 215.
largest in the world, 1869, 447; 1872, 449.
treatment of a, 1849, 286; 1861, 475, 500; 1863, 482; 1867, 172.
Violet,
directions for house cultivation of, 1863, 378.
family of the dog-tooth, 1862, 162.
species of the United States and Europe, 1862, 158.
Vireo,
of all the fly-catchers, 1867, 205.
red-eyed and warbling, 1863, 299; 1864, 416.
white-eyed and blue-headed, 1863, 299; 1864, 417.
yellow-throated, 1863, 299; 1864, 417.
Virginia,
Agricultural College. (See College.)
area of, in forest and farms, 1872, 46, 48.
article on, 1864, 17–42; 1870, 267–291.
climate and fruit of, 1867, 251; 1871, 145.
dairy interest in, 1854, 22; 1871, 174.
experiment in seeding of wheat in, 1874, 346.
extent, population, resources, and mines of, 1863, 6, 7, 8.
fences of, 1871, 502.
first importation of cattle and sheep into, 1864, 251, 252.
forests, etc., of, 1875, 262.
fruit trees recommended for, 1858, 421.
Hampton Institute. (See College.)
hops, peanuts, and Japan clover, 1867, 252, 253.
horses and mules of, 1853, 36; 1854, 27; 1855, 43.
lands in, 1867, 104, 112.
laws of, 1869, 403; 1871, 222.

Virginia,
live stock in, 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
mineral fertilizers of, 1868, 64.
prices of farm-stock in, 1873, 36.
principal fertilizers used in, 1854, 118.
products of Southeastern, 1872, 449.
remarks on crops of, 1842, 12, 16, 17, 19, 21; 1843, 23, 45, 54, 67, 73; 1844, 29, 52, 56, 63, 75, 92, 104; 1845, 118, 152, 156, 160, 164, 169, 252, 266; 1847, 101, 105, 121, 125, 127, 136, 168, 186; 1848, 117, 132, 136, 149, 471, 477, 478, 483, 486, 489, 491, 493; 1849, 131, 136, 202, 218, 220, 221; 1850, 213, 224, 247, 334, 340, 348, 352, 442; 1851, 274, 275, 282, 283, 286, 291, 292, 298, 301, 305, 307, 311, 671; 1852, 95, 98, 101, 104; 1853, 125, 150, 151, 152, 163, 274, 275, 281, 287, 291; 1854, 135, 147, 168, 186, 193, 207, 224, 291, 320, 321; 1855, 181, 199, 222, 284, 295.
sheep and wool in, 1851, 672; 1853, 47; 1854, 55; 1855, 53.
stock-raising in, 1853, 19; 1854, 20; 1855, 27.
sweet-potato culture in, 1848, 494; 1867, 251.
tabular estimate of crops of. (See Crop.)
time of wheat harvest in, 1849, 137.
the marl region of, 1868, 389–395.
valley of, 1863, 53.
Virgin's bower,
or clematis, 1862, 157; 1863, 363; 1868, 205.
Volume,
observations on atomic, 1857, 437, 438.
Vulture,
species, etc., of, in this country, 1863, 278, 290.
the turkey or turkey-buzzard, 1863, 290.
treatment of, by the bald-eagle, 1856, 115.
Wages,
agricultural, in Europe, 1845, 1153; 1871, 449; 1874, 276.
article on, 1866, 80–89.
increase with advancement of society, 1871, 450.
in Delaware, 1849, 120.
Indiana, 1849, 196.
Japan, 1873, 367.
Louisiana, 1847, 391.
Massachusetts, 1847, 361; 1848, 360.
Michigan, 1849, 186.
Mississippi, 1849, 162.
New York, 1849, 113.
various countries, 1848, 686.
Vermont, 1848, 367.
Virginia, 1847, 384; 1849, 141.
of farm, in the several States, 1875, 37, 48.
table of labor, 1845, 1149; 1867, 416.
Walk,
laying out and constructing, 1869, 165–167.
Wall,
curing dampness in, 1870, 620.
Wallaba,
source and uses of, gum, 1870, 188.
Walnut,
the black, for forest culture, 1870, 230; 1873, 440.
street planting, 1868, 201.
timber and nuts, 1872, 164.
in Nebraska, 1871. 378.
nut for Indian food, 1870, 411.
on the prairies, 1862, 496; 1874, 395.
tree sold in New York, 1870, 450.
the European, for its fruit, 1868, 201.
Persian, 1855, xiv, xvi.
interrogatories on, 1858, 58.
successful in Virginia, 1856, 450.
white, timber and nuts, 1872, 164.
uses of oil from the nuts of, 1855, xv.
Warbler,
family and species of wood, 1863, 295–298.
habits, nests, eggs, etc., of, 1864, 406–411; 1865, 40.
services of, to farmers, 1867, 205.

Washington Territory,
article on, 1869, 613–616.
fences of, 1871, 506.
meteorology of, 1863, 626.
of lands in, 1867, 110, 119; 1860, 462.
lumber in, 1868, 448.
Wasp,
beneficial to agriculturists, 1863, 275.
destroyed by insects, 1868, 116.
habits, etc., of, 1868, 309, 310.
the mud, 1855, 109.
to destroy, and remedy for the sting of, 1864, 548.
usefulness and injuries of, 1866, 43; 1870, 78; 1873, 159.
Waste,
of cities and towns, 1872, 145–151.
value of gas, 1860, 119.
Water,
action of, on soil, 1849, 352; 1860, 109.
analysis of the Artesian at Louisville, 1860, 46.
by road sides and bars, 1868, 361, 362.
Watermelons,
production of sugar from, 1876, 161.
Water-plants,
introduced into Department grounds, 1876, 62.
chemical composition of, 1859, 141.
different qualities of, 1849, 348, 350, 351.
effect of cold on, 1857, 495; 1868, 584.
impure, on dairy cows, 1871, 177.
on plants, 1847, 229; 1849, 352.
evaporation of, 1858, 455.
for destitute regions, 1867, 230–236.
from Alum Springs, Virginia, 1870, 95.
how to procure pure, 1859, 405.
improvements in, wheels, 1843, 325; 1845, 29; 1846, 97; 1847, 77; 1848, 48.
impure, pure, and analysis of, 1859, 141, 142.
in equalizing temperature, 1866, 144.
plant culture, 1867, 30.
pleasure grounds, 1869, 174.
kinds of, injurious to vegetation, 1859, 146.
machines for raising, 1848, 49.
methods of obtaining, for irrigation, etc., 1874, 379.
modes of measuring, 1871, 262.
of procuring soft, 1863, 321.
the mineral springs of Virginia, 1864, 28.
passing through leaden pipes, 1854, 422.
theory and purity of rain, 1849, 347.
underground, conduits, 1849, 363.
value of certain peculiarities of, 1866, 143.
Watercourse,
improvement in, and flood-gates for, 1844, 490, 493.
Water-reed,
injurious in canals, 1865, 517.
Watts, Frederick,
reports of, 1871, 1; 1872, 3; 1873, 5; 1874, 5; 1875, 7.
Wax,
article on, 1855, 120, 121.
bees, exported, 1843, 313; 1853, 75; 1856, 510, 515, 517, 519, 520, 522, 524; 1858, 221.
from sixty-nine colonies of bees, 1873, 475.
Japanese vegetable, 1860, 138.
patent, for sealing, 1844, 516.
pounds of honey, to one of, 1868, 275.
price of, in the different States, 1868, 273.
produced in Austria, 1857, 108.
the United States, 1863, 545; 1868, 272.
production of, in Virginia, 1854, 90.
tables of statistics of, 1860, 279, 280, 282.
tribute of, by the Island of Corsica, 1865, 458.
uses of the, plant, 1859, 14.
vegetable, 1870, 204, 205.
Wax-wing,
family name and species of, 1863, 299.

Weasel,
family and benefits of, 1863, 268.
the small brown and lesser, 1858, 244, 245.
white prairie and European, 1857, 104, 105, 107.
Weather,
article on the, 1860, 96, 98.
signs of, and predictions on, 1864, 349; 1871, 238.
Weaving,
patent improvements in, and looms, 1844, 479; 1845, 55; 1846, 73; 1847, 66; 1848, 37.
Weed,
analysis of the ash of three species of, 1866, 425.
analysis of sea, 1869, 73.
article on, 1860, 133, 134; 1865, 509–519.
book notice on, 1869, 503.
in flax, 1863, 115.
poisonous effects of rattle, or loco, 1874, 159.
sea, 1861, 319; 1866, 423, 426; 1869, 228; 1872, 436.
the rock, as a fertilizer, 1866, 425.
use of the Jamestown, by the Indians, 1870, 423.
white, destroyed by sheep, 1871, 353.
Weevil,
article on the, 1845, 410; 1849, 334.
chestnut and pine, 1861, 604, 605.
destruction of, by kiln-drying, 1844, 40.
Northern grain and Southern rice, 1863, 572.
ravages of the, 1844, 39: 1848, 122; 1862, 96; 1866, 30.
remedies for the, 1850, 394; 1851, 188; 1852, 130, 134; 1853, 140, 144, 147; 1854, 71, 82, 146; 1860, 821.
the black, 1845, 143.
cranberry, 1870, 70.
European and American, 1844, 167, 169.
hunter, 1863, 573.
pea and New York, 1863, 574.
European and American, 1870, 71; 1871, 375.
plum, 1854, 81; 1860, 314; 1861, 605; 1863, 570; 1867, 73; 1870, 68.
red, 1864, 562; 1872, 126.
white pine, 1863, 573; 1870, 71.
Weight,
and measures of the States, 1871, 218.
atomic, 1857, 436.
table of, per bushel, 1871, 227.
Well,
Artesian, in Southern California, 1872, 450.
article on, digging, 1851, 14–19.
cost of cisterns *versus* wells, 1867, 233.
importance of silt in, drains, 1870, 600.
improvement in buckets for, 1848, 49.
location for a family, 1863, 329.
West Virginia,
Agricultural College of. (See College.)
article on, 1863, 42–87.
coal-oil in, 1863, 525, 526.
fences of, 1871, 504.
forest area and farm lands in, 1872, 47, 48.
forests, etc., 1875, 294.
lands in, 1867, 107, 116.
laws of, 1871, 222.
live stock of, 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 36; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
loss of hogs in, 1876, 111.
societies of, 1875, 468.
Whalebone,
exports of, 1858, 224.
Wheat,
acclimation of, 1871, 401.
acreage, yield, value of, etc., 1876, 91.
among the Pueblo Indians, 1870, 424.
and flour, exports of, 1876, 167, 171, 175.

Wheat,
analyses of, 1844, 410; 1849, 210; 1861, 271; 1862, 75; 1864, 277; 1865, 357, 424; 1868, 431.
analysis of soil for, 1853, 139.
area of, with proportion drilled, 1875, 42.
article on, 1844, 174, 180; 1845, 412, 415–435; 1849, 59–82, 199, 215; 1850, 1; 1853, 126; 1854, 136; 1855, 181, 186; 1856, 246; 1857, 153–160; 1861, 404–410; 1862, 65–95, 96–104; 1874, 60–67.
as an article for bread, 1848, 249; 1855, 156; 1864, 277.
average yield per acre, 1843, 16, 34; 1849, 26, 32; 1865, 155; 1868, 436; 1875, 46.
benefit of changing seed of, 1853, 140; 1855, 187.
best, States, 1849, 221.
book notice on, 1868, 560.
bushels of, distributed by the Patent Office, 1861, 3.
cause of degeneration of, 1867, 316.
cleaning and grinding, 1862, 425, 426.
climates of, 1853, 388–395.
composition of ashes of, 1860, 53; 1868, 503.
correspondence on, 1849, 86; 1850, 186; 1851, 129; 1852, 73; 1853, 129; 1854, 138; 1855, 191.
cost of raising, 1847, 400; 1848, 553; 1849, 116, 1851, 251; 1873, 278.
culture of, 1849, 213; 1868, 416, 417; 1869, 442; 1871, 418; 1873, 466.
different kinds of, in Sicily, 1859, 120.
dwarfing of, in Japan, and profit of, 1873, 369.
effect of drilling, 1853, 148.
the reaper on the production of, 1872, 293.
experiments with, 1851, 9; 1852, 395; 1868, 405, 412, 418; 1869, 245, 252; 1870, 156, 452, 454; 1871, 125, 133; 1872, 411, 413; 1873, 219, 222, 225, 226, 295, 304, 305; 1874, 183, 259, 388; 1875, 359, 502, 511.
experiment with, from an Egyptian tomb, 1857, 256.
Mediterranean, 1844, 44; 1870, 161.
on exhausted land, 1849, 130.
exports of, 1847, 13, 552; 1853, 128; 1855, 157; 1858, 226; 1862, 548; 1863, 511; 1868, 47; 1871, 297; 1873, 48, 49; 1874, 73; 1875, 42; 1876, 167, 171, 175.
first cultivation of, by the colonists, 1272, 280,
from a single kernel, 1843, 34; 1844, 44; 1847, 112; 1851, 5; 1871, 126; 1874, 261.
how to convert annual into perennial, 1847, 115.
importations by Great Britain, 1868, 435; 1871, 236; 1873, 288.
improvement in preparing, for flouring, 1847, 373.
of, in Hungary, 1875, 515.
in Alabama, 1850, 460.
California, 1851, 5; 1868, 451; 1870, 449; 1872, 440.
Iowa, 1873, 278.
Italy, 1876, 286.
injury of, by thrashing-machine, 1851, 402.
in Massachusetts, 1868, 480.
Michigan, 1868, 499.
Minnesota, 1873, 278.
New England, 1851, 253; 1872, 280.
New Hampshire, 1872, 491, 492.
Ohio, 1844, 408; 1854, 145.
Oregon, 1855, 196.
Pennsylvania, 1852, 239.
Russia, 1859, 586.
Wisconsin, 1851, 460; 1870, 502.
insects injurious to, 1868, 116.
interrogatories on, 1858, 21.
large crop of, 1869, 518, 542; 1871, 235, 236, 409, 442; 1872, 185, 440.
lime-rock soil for, 1850, 471.
machine for weeding, 1875, 515.
management of, harvest, 1850, 102–113.
manure for, 1843, 34; 1844, 154; 1852, 184; 1868, 504; 1871, 89; 1872, 454; 1873, 298.
Mr. Arnold's hybrids of, 1873, 219, 220; 1874, 182.
names and varieties of, 1838, 57; 1842, 12, 14, 66; 1843, 22, 30, 32, 33; 1844, 43, 44, 176–179, 433; 1845, 116, 119, 127, 146, 147, 406, 413, 415–420, 422, 428; 1847, 110, 111, 112, 353, 354; 1848, 124, 371, 401, 415, 443, 477, 478, 479, 535; 1849, 78, 80, 90, 104, 128, 132, 139, 144, 172, 174, 177, 197, 199–207; 1850, 1–12, 155–157, 190, 198, 202, 208, 212, 213, 219, 227, 231, 244, 246, 248, 278, 281, 291, 296, 305, 309, 311, 313, 321, 325, 330, 334, 340, 344, 345, 353, 355, 367, 368, 370, 373, 375, 378, 389, 393, 396,

Wheat,
397, 398, 400, 404, 406, 410, 413, 415, 419, 420, 421, 433, 436, 440, 453, 462, 469, 479; 1851, 135, 141, 195, 202, 205, 211, 216, 217, 223, 234, 238, 245, 246, 260, 264, 276, 298, 302, 305, 312, 315, 334, 353, 365, 404, 416, 421, 426, 434, 440, 493, 649, 662; 1852, 94, 105, 116, 144, 178, 193, 195, 199, 223, 225, 228, 239, 246, 249, 254, 257, 258, 262, 331, 333, 339, 341; 1853, 127, 130, 132, 133, 137, 138, 139, 145–153; 1854, x, xi, xii, xiii, 138, 139, 141, 143–149; 1855, xi, 182. 184, 192, 193, 196, 197, 198, 199; 1857, 156, 256; 1859, 19, 567, 568; 1861, 161, 334, 337, 339, 340, 342; 1862, 85, 99, 100, 101; 1863, 499, 500, 501, 503, 504, 506; 1865, 27; 1866, 9, 586; 1867, 349, 359; 1868, 405–410, 414, 415, 417, 480, 499, 508, 518; 1869, 245–252, 293, 294, 547; 1870, 156, 161, 162, 163, 502; 1871, 126, 127, 129–134, 409, 410; 1872, 410, 411, 413, 491, 492; 1873, 213, 215–226, 228, 230, 278, 394, 450; 1874, 179, 180–183, 260, 388; 1875, 359–362.
new varieties introduced by the Patent Office, 1837, 5; 1838, 57.
notes on the, plant, 1863, 499–512.
of chess or cheat in, 1848, 471; 1849, 455; 1851, 650; 1852, 46; 1862, 80; 1865, 519; 1867, 312.
of cultivating spring, 1854, 142.
origin and species of, 1859, 303, 304.
of and experiments with Jennings, 1874, 183.
the China, 1844, 433.
prices of, 1853, 142; 1873, 43; 1874, 74.
production of, 1862, 10, 548; 1864, 500; 1868, 435; 1872, 409; 1873, 48, 49; 1875, 40, 41, 46, 48; 1876, 281.
progress of the culture of, 1872, 292.
proper depth for sowing, 1843, 33; 1847, 114; 1857, 158.
protection of, from smut, 1843, 40; 1845, 142; 1850, 4; 1851, 140; 1855, 189; 1862, 79; 1872, 492.
quality of Virginia, 1867, 251.
quantity of, to sow, 1844, 348; 1851, 264; 1852, 216; 1853, 138; 1855, 191; 1873, 221, 222, 225.
remedy for mildew and rust in, 1843, 39, 1847, 108; 1862, 77; 1869, 294.
remedy for winter-killing of, 1851, 440; 1852, 210; 1853, 149, 152; 1862, 82.
ribbing in, 1845, 148.
rust or blight in, 1844, 435; 1845, 407; 1862, 77.
sandomir, 1861, 334–342.
selection of, for seed, 1843, 35; 1862, 90; 1872, 409; 1874, 259.
smut in, 1845, 406.
sowing and harvesting, in several States, 1849, 136; 1850, 13; 1851, 478; 1853, 136; 1855, 192; 1859, 120.
tables of, sowing, product, etc., of, 1848, 646.
tabular estimates and remarks on crops of. (See the several States.)
the cross-fertilization of, 1876, 428.
Fultz, 1871, 133; 1872, 411; 1873, 215, 222; 1874, 179.
Tappahannock, 1872, 410.
thick and thin sowing, 1844, 348; 1867, 351; 1871, 251; 1874, 261.
time for cutting, 1843, 38; 1844, 176; 1850, 102, 388; 1852, 209; 1856, 246; 1862, 93; 1868, 417; 1869, 540; 1871, 402.
to change winter into summer, 1867, 308.
varieties, culture, yield, etc., 1850, 1–12.
introduced by the Patent Office, 1854, x.
of, on Department farm, 1865. 27; 1866, 9.
westward movement of the area of, production, 1876, 281.
Wheat-bird,
habits, etc., of, 1864, 422.
Wheel,
improvements in car, 1848, 44.
water, 1843, 325; 1845, 29; 1846, 97; 1847, 77; 1848, 48.
Whey,
butter from, 1868, 437; 1869, 367.
value of, 1863, 414; 1873, 245; 1876, 386.
Whip-poor-will,
habits, food, etc., of, 1863, 281, 294; 1864, 399; 1865, 38.
the benefit of, to agriculture, 1867, 205.
Whisky,
prices of, at New York, 1863, 615.
Whitewash,
recipes for, 1844, 453.
Whortleberry,
insect frequenting, bushes, 1868, 116.

Willow,
articles on, 1851, 46–48; 1873, 254.
distribution of seeds, cuttings, etc., 1860, 32; 1861, 3, 4
for fences, 1854, 418; 1862, 496.
fuel and timber, 1873, 441.
ornamental trees, 1868, 202.
planting in open plains, 1874, 395.
shelter-belts, etc., 1870, 231; 1872, 165.
insects injurious to, 1868, 117.
Wind,
the, of North America, 1856, 486; 1858, 479.
Wine,
adulteration of Portugal, 1867, 164.
American, analysis of, 1876, 53.
analyses of, 1864, 534; 1865, 50; 1873, 173.
article on, 1845, 932, 945; 1847, 462–470; 1850, 238; 1853, 296, 306, 309; 1854, 312; 1855, 302; 1856, 435; 1857, 227; 1858, 338; 1859, 42–44, 57, 61, 71, 85, 91, 544; 1860, 323–358, 359–402; 1861, 506–525; 1863, 156; 1866, 46; 1867, 154–163; 1868, 6; 1869, 66–70.
book notice on, 1868, 576; 1871, 430.
champagne, from chemicals only, 1871, 430.
climate needed for, 1863, 480, 481.
correspondence on, 1855, 307–309.
crop of, in the United States, 1853, 256; 1862, 508; 1868, 217.
direction for making currant, 1850, 222; 1853, 300.
districts of Missouri, 1868, 525.
Drs. Gall and Petiol's method of making, 1859, 94.
electricity in treatment, and the spectroscope in testing, 1872, 450.
estimates of the crops of, 1841, 65; 1842, 5; 1843, 13; 1844, 12.
from a bushel of grapes, 1845, 949; 1853, 306.
the Catawba grape, 1845, 311; 1853, 301.
Scuppernong grape, 1849, 284; 1853, 308; 1868, 575.
imports and exports of, 1858, 233.
in France, Germany, Hungary, Italy, Persia, 1861, 625, 626, 627.
in Iowa and Southern Michigan, 1871, 231.
interrogatories on, 1858, 48.
making, 1848, 615; 1856, 435, 439–445; 1860, 323–358, 359–402.
at Syracuse, 1869, 447.
Dr. Ludwig Gall on, 1860, 323.
grape, currant, and blackberry, 1862, 49
in California, 1863, 155; 1874, 425, 427.
Missouri, 1869, 545; 1872, 489.
New York, in Ohio, 1853, 302, 304.
the Middle States, 1866, 120.
manufacture of champagne, 1855, 304.
in Ohio, 1845, 936.
mode of making honey, 1860, 300.
of detecting artificial coloring in, 1864, 533.
popular European, 1863, 483.
pounds of grapes to a gallon of, 1873, 434.
production of, in France, 1864, 500; 1867, 164; 1869, 633.
remarks on estimate of, crops, 1841, 77; 1842, 35; 1843, 103; 1844, 139.
report on, 1845, 950–952.
soil on the quality of, 1871, 114.
sugar, in making, 1862, 513; 1863, 157.
treatment and handling of, 1867, 169–173.
white and red, 1863, 156; 1864, 515, 516; 1867, 167, 173; 1868, 572.
yield of, per acre, in North Carolina, 1845, 938.
Wintergreen,
berries, for Indian food, 1870, 414.
Wisconsin,
Agricultural College of. (See University.)
Agricultural Society of, 1875, 467.
cranberries of, 1872, 442; 1873, 461.
digest of reports of, 1869, 537; 1870, 502; 1871, 405; 1872, 505; 1873, 460; 1874, 419; 1876, 429–432.
farm-stock of, 1863, 606.
fish culture in, 1876, 430.
forests, etc., of, 1875, 313.
for hemp-growing, 1863, 91.

Wisconsin,
grape culture in, 1871, 372.
hogs packed in, 1876, 232.
land, farms, and implements of, 1851, 494.
laws of, 1864, 445; 1868, 456.
live-stock in, 1864, 583; 1865, 67; 1866, 67; 1867, 92; 1868, 45; 1869, 47; 1870, 47; 1871, 37; 1872, 43; 1873, 40; 1874, 40; 1875, 35; 1876, 112.
mineral fertilizers, etc., of, 1869, 580.
of lands in, 1867, 108, 117.
remarks on crops of, 1842, 16; 1843, 30, 46, 56, 60; 1844, 38, 93; 1845, 105, 137, 138, 152, 157, 165, 181; 1847, 107, 122, 128, 136; 1848, 120, 136; 1849, 188, 191, 205; 1850, 1, 8, 12; 1851, 457, 458, 460, 462, 463, 464; 1852, 327, 328, 329, 330, 332, 333; 1853, 126, 152, 153, 163, 204, 221, 225, 276, 292; 1854, 135, 136, 148, 152, 168, 186, 291, 292, 298, 317; 1855, 295.
stock-raising in, 1853, 19, 47.
tabular estimate of crops of. (See Crop.)
wheat crops of, 1870, 502; 1871, 405.
Wood,
checking growth of, 1863, 550.
conversion of, into iron or stone, 1844, 463.
great consumption of, in Ohio, 1872, 501.
insects feeding on, 1868, 117.
iron, 1870, 411.
machines for sawing, 1866, 235.
method of seasoning, 1870, 619.
of Honduras, 1864, 489.
preservation of, by Bucherie's process, 1843, 240, 330; 1866, 495.
preservation of, by sulphate of iron, 1843, 7.
with salt, 1844, 457; 1866, 496.
tannin, creosote, etc., 1874, 273.
revenue paid by, 1865, 231.
saul, teak, eagle, and aloe, 1870, 189.
Woodchuck,
description, habits, etc., of, 1856, 82; 1863, 269.
Woodcock,
as a game bird, 1864, 377, 378, 442–446.
benefit to farmers, 1865, 44.
food, habits, etc., of, 1863, 285; 1864, 376, 377.
Woodpecker,
habits, food, nest, eggs, etc., of, 1856, 143; 1863, 280, 292, 293; 1864, 396, 397, 398; 1865, 37, 38; 1867, 205.
Wolf,
bounty for the scalp of, in Iowa, 1864, 172.
destruction of sheep by prairie, 1868, 43.
in hybridizing with the dog, 1863, 181.
scientific classification of the, 1863, 268.
Wolverine,
or glutton, 1858, 245, 246.
Woman,
American, 1866, 444.
gardening for the health of, 1871, 412.
industrial education of, 1871, 336–346.
in Paris, 1866, 440.
wages of, in the different States, 1848, 686.
work performed by, in Japan, 1873, 368.
Wool,
article on, 1845, 1013, 1017; 1847, 271; 1848, 627–635; 1849, 242, 244, 251; 1850, 129–144, 253–257; 1851, 96; 1861, 119, 137; 1864, 204–223; 1867, 119; 1871, 187–211; 1875, 207–244.
Australian, sent to England, 1858, 235.
census of, 1867, 2; 1872, 300.
climate on the quality of, 1850, 256; 1855, 2; 1874, 233.
clip in Minnesota, 1863, 32.
combing and delaine, 1870, 512.
comparisons of, 1867, 352.
consumption and production of, 1862, 285, 287, 299.
correspondence on, growing, 1849, 112, 176, 179, 185, 191; 1850, 211, 229, 233, 282, 315, 330, 351, 356, 371, 392, 395, 405, 407, 441; 1851, 152, 155, 157, 182, 190, 207, 212, 233, 236, 320, 350, 352, 359, 366, 377, 382, 389, 397, 401, 405, 408, 412, 417, 419, 440, 451, 456, 458, 465, 480, 493; 1852, 103, 142, 145, 186, 187, 202, 217, 224, 226, 236, 251, 258, 263, 277, 283, 284, 285, 308, 312, 328, 341, 343.

Wool,
cost of growing, 1851, 349, 367, 385, 410, 487; 1852, 84, 156, 162, 191, 285; 1855, 50.
cotton and, 1862, 550.
exportation of, 1853, 38; 1874, 71.
felting, fulling, and scales of, 1851, 79–81.
fluctuation of values of, 1862, 261.
from Russia, 1855, 45.
future consumption of, 1862, 264.
growing in Alabama, 1852, 71, 74.
Australia, 1874, 438.
on the prairies, 1870, 306.
healthfulness of, for clothing, 1862, 269.
imports of, 1862, 265, 551; 1864, 171; 1868, 51; 1872, 91.
into Great Britain, 1848, 740; 1862, 266.
Liverpool annual, report, 1845, 1020.
long, 1864, 243, 244.
and fine, 1862, 255, 256.
machinery for burring, etc., 1847, 61.
carding, 1846, 66.
combing, 1844, 476.
preparing cotton and, 1848, 33.
manufactures of, imported and exported, 1858, 224.
markets for, 1876, 211–227, 242–250.
method of storing, 1863, 236.
merino from Spain, Portugal, and Germany, 1859, 289.
mutton *versus*, 1862, 251.
of South Down sheep, 1856, 19.
the world, 1868, 445.
present and future of, 1862, 266.
price of, in Maine, 1852, 124.
production in Asia, 1870, 301.
Iowa, 1864, 169.
New Mexico, 1869, 621.
Pennsylvania, 1847, 211.
the United States, 1864, 198.
of fine, in the United States, 1847, 251.
qualities required, and matresses of, 1847, 308, 509.
quality of, in the Northern and Southern States, 1857, 55.
Persian, 1871, 461.
remarks on sheep and, 1845, 338.
rules for buying and selling, 1868, 502.
shears and other instruments, 1847, 280.
sketch of Silesian, culture, 1847, 253.
sorting and cleaning of, 1854, 46.
statistical report on, etc., 1864, 505–514.
statistics of, 1864, 512, 602; 1865, 75; 1866, 90; 1867, 120; 1868, 51; 1869, 54; 1870, 52; 1871, 38; 1872, 91; 1873, 63; 1874, 71.
the, bearing goat, 1863, 220.
interest in the United States, 1867, ix.
Wisconsin, 1871, 406; 1872, 506; 1873, 464.
Pacific States for, growing, 1864, 477, 480.
trade, 1847, 294, 656; 1849, 512.
utilizing the grease of, 1870, 619.
weight of merino fleeces, 1859, 294.
Woolen,
first incorporated, factory, 1871, 402.
healthiness of, 1862, 268.
machinery in the United States, 1862, 257.
manufactured in the United States, 1873, 67.
manufacturers, 1864, 36, 179.
mills, 1868, 446; 1872, 506; 1874, 277.
preparation of, fibres, 1843, 260.
statistics of, manufacturers, 1862, 282.
tendency of, manufacture, 1862, 256.
value of imported, 1850, 136; 1862, 265; 1865, 79; 1866, 92, 93; 1867, 125; 1868, 51; 1869, 54; 1870, 52, 53; 1871, 39; 1875, 240.
Worm,
action of bot, 1872, 130.
ailanthus or Chinese silk, 1861, 374–382; 1862, 390–394; 1865, 92, 93; 1866, 37; 1867, 74; 1870, 81.

Worm,
army, 1866, 41, 200; 1870, 83; 1871, 84, 376; 1872, 118; 1873, 162, 391.
basket or case, and army, 1864, 552.
boll, 1850, 259; 1854, 64; 1855, 99; 1866, 199; 1870, 84; 1871, 84, 411.
book, 1868, 99.
cabbage, 1871, 411; 1872, 123.
canker, 1864, 554; 1866, 39; 1867, 357; 1870, 85; 1872, 123; 1874, 129.
common silk, 1866, 35, 36, 37; 1868, 296, 297, 298, 301; 1870, 82.
corn, 1854, 69; 1855, 98; 1857, 123; 1864, 554.
cotton, army, 1844, 117; 1867, 58, 60; 1872, 118; 1873, 9, 162, 164, 165; 1874, 128.
cranberry fruit, and vine, 1869, 207; 1870, 85.
currant, joint, parsley, and tomato, 1864, 546–549; 1870, 77.
cut, 1855, 68; 1858, 271; 1864, 553; 1865, 239; 1866, 198; 1870, 530; 1872, 122.
damage done by, 1869, 632.
drop or hang, 1855, 79; 1859, 551.
earth, 1868, 117.
eel and lilac measuring, 1871, 81, 83.
European glow, 1868, 95.
grub, 1861, 598, 602; 1872, 122; 1874, 129.
injuring the osier willow, 1873, 254.
joint, 1854, 76.
meal, 1863, 569; 1868, 100.
names of different classes of, 1861, 586.
native silk, 1864, 551; 1867, 74, 75.
new European cabbage or heart, 1870, 78; 1871, 411.
peach tree, 1872, 112.
strawberry and the clover, 1867, 73; 1870, 84.
parasite destroying potato and tobacco, 1873, 158, 159.
pear or apple, 1860, 316; 1864, 555; 1865, 205; 1870, 513.
remedy for, in horses, 1860, 85.
salt for destroying, 1844, 40.
small cotton span, 1855, 91.
snake, 1872, 115.
span or looper, 1855, 90, 92.
tobacco, 1866, 30, 42; 1869, 296; 1872, 123; 1874, 129.
tomato, 1870, 80; 1873, 158.
wire, 1861, 608; 1863, 566; 1865, 89; 1868, 94; 1870, 67.
Wormwood,
propagation of, 1854, 389.
Wren,
Bewicks and long-billed marsh, 1863, 300; 1864, 418.
Carolina or mocking, 1863, 300; 1865, 41.
ruby-crowned, and golden-crested, 1863, 295.
short-billed marsh, wood, and winter, 1863, 300; 1864, 419.
the house, 1863, 300; 1864, 352, 419; 1865, 41.
Writing,
machine for, 1845, 32.
Würtemberg,
statistics of population, productions, animals, etc., 1876, 255–270.
Wyoming,
article on, 1870, 548–559.
forests, etc., of, 1875, 333.
of a soda lake in, 1871, 237.
public lands in, 1868, 464.
Yak,
acclimation of, in France, 1869, 439.
description of, 1859, 210; 1865, 96.
hybridization of, 1860, 87; 1865, 96.
Yam,
as food, or ornamental plant, 1868, 205.
chemical analysis of, 1857, 165.
Chinese and Indian, in China, 1860, 474.
cultivation of, in Missouri, 1859, 558.
different species of, 1859, 310.
the Chinese, 1854, xvii, 169; 1855, 223; 1856, 251.
uses and cultivation of, 1854, 389; 1855, xiii, 224; 1856, 251, 252.
Yamadou,
source and use of, oil, 1870, 175.
Yarrow,
value of, as fodder, 1847, 520; 1865, 513.

Yellows,
cause of, and remedy for, 1850, 268; 1852, 231; 1853, 286; 1865, 206, 207.
peach, 1850, 97; 1872, 195.
supposed cause of, 1870, 520; 1871, 120; 1872, 197.
Yellow-bird,
the common, 1864, 421; 1865, 41.
summer, 1863, 282; 1864, 352, 410.
Yellow-throat,
the Maryland, 1863, 282; 1864, 406; 1865, 41.
Yellow-wood,
as an ornamental tree, 1868, 199, 201, 203.
Yew,
for hedges, 1854, 404.
Yield,
increased by supplying plant food, 1876, 390.
large, 1876, 139, 389, 413.
of crops, 1876, 91, 264.
Youkon,
salmon fisheries of, river, 1870, 384.
Territory of Alaska, 1868, 172–178.
Yucca,
as food and an ornamental plant, 1864, 494, 495.
chemical analysis of, 1872, 140.
Zante,
currant vine, or Corinth grape, 1855, xx; 1856, 445–447; 1858, 348–355.
Zebra,
hybridization and description of, 1863, 181; 1865, 96.
of Burchell's, 1865, 96.
Zebu,
description and hybridization of, 1865, 96.

INDEX OF SCIENTIFIC NAMES.

NAMES OF BIRDS.

A.

Accipiter Cooperi, 1863, 290; 1864, 389.
fuscus, 1863, 290; 1864, 389.
Accipitrinæ, 1863, 278.
Ægialitis vociferus, 1863, 306.
Ægiothus linarius, 1863, 301.
Agelaius phœniceus, 1864, 426.
Alaudidæ, 1863, 282, 284, 301.
Alcedinidæ, 1863, 281, 294.
Ammodromus caudacutus, 1864, 422.
maritimus, 1864, 422.
Ampelis cedrorum, 1863, 283, 299; 1864, 415.
Anas boschas, 1862, 364.
(dafila) Bahamensis, 1865, 100.
Anser Canadensis, 1854, 447; 1862, 371.
ferus, 1862, 370.
Indicus, 1865, 101.
Anthus Ludovicianus, 1863, 295.
Antrostomus vociferus, 1863, 294; 1864, 399.
Aquila Canadensis, 1863, 279, 291; 1864, 392.
leucocephala, 1856, 114; 1863, 279.
Aquilinæ, 1863, 278, 279.
Archibuteo, 1863, 291.
Sancti-Johannis, 1856, 87; 1863, 291.
Arcturus Bartramius, 1863, 307.
Ardea Americana, 1856, 156.
Ardeidæ, 1863, 306.
Astur atricapillus, 1863, 278, 290.
Atheninæ, 1863, 279.

B.

Bernicla ruficollis, 1865, 101.
Bombycillidæ, 1863, 282, 283, 299.
Bonasa Sabinei, 1864, 364.
umbelloides, 1864, 364.
umbellus, 1863, 283, 306; 1864, 362.
Botaurus lentiginosus, 1863, 306.
Brachyotus Cassini, 1856, 87; 1863, 292; 1864, 395.
Bubo Virginianus, 1863, 279, 291; 1864, 393.
Buboninæ, 1863, 279.
Buteo borealis, 1856, 111; 1863, 278, 290; 1864, 390.
lineatus, 1863, 278, 291; 1864, 390.
Pennsylvanicus, 1863, 291; 1864, 390.
Buteoninæ, 1863, 278.
Butorides virescens, 1863, 306.

C.

Callipepla squamata, 1864, 375.
Canace Canadensis, 1864, 369.
Franklini, 1864, 370.
Caprimulgidæ, 1863, 281, 294.
Cardinalis Virginianus, 1863, 303.
Carduelis tristis, 1872, 127.
Carpodacus purpureus, 1863, 301; 1864, 354, 420.
Cathartes atratus, 1863, 278.
aura, 1863, 278, 290.
Centrocercus urophasianus, 1864, 362.
Centurus Carolinus, 1863, 293.
Cereopsis Novæ-Hollandiæ, 1865, 101.
Certhia Americana, 1863, 300; 1864, 419.
Certhiadæ 1863, 282, 284.
Certhiidæ 1863, 300.
Ceryle alcyon, 1863, 294; 1864, 400.
Chætura pelasgia, 1863, 293; 1864, 351, 399.
Charadriidæ, 1863, 306.
Charadrius Virginicus, 1863, 306.
Chrysomitris pinus, 1863, 301.
tristis, 1863, 301; 1864, 421.
Circus Hudsonius, 1863, 291; 1864, 391.
Cistothorus palustris, 1863, 300; 1864, 418.
stellaris, 1863, 300; 1864, 418.
Clamatores, 1863, 280.
Cœphaga Magellanica, 1865, 100.
policephala, 1865, 101.
Sandwichensis, 1865, 100.
Coccygus Americanus, 1863, 280, 292; 1864, 396.
erythrophthalmus, 1863, 280, 292; 1864, 396.
Colaptes auratus, 1863, 293; 1864, 398.
Coleopteridæ, 1863, 281.
Collyrio borealis, 1863, 283, 299; 1864, 415.
Columba migratoria, 1854, 447; 1856, 151.
Columbæ, 1863, 285.
Columbidæ, 1863, 305.
Contopus borealis, 1863, 294.
virens, 1863, 294; 1864, 401.
Corvidæ, 1863, 282, 284, 304.
Corvus Americanus, 1856, 135; 1863, 305; 1864, 354, 429.
carnivorus, 1863, 304.
corone, 1856, 135.
cristatus, 1856, 140.
ossifragus, 1856, 137; 1863, 305.
pica, 1856, 138.
Coturniculus passerinus, 1863, 302; 1864, 422.
Henslowi, 1863, 302.
Cotyle riparia, 1863, 298; 1864, 414.
serripennis, 1863, 298; 1864, 414.
Crossoptilon auritum, 1865, 99.
Cuculidæ, 1863, 280, 292.
Cupidonia cupido, 1863, 305; 1864, 364.
Curvirostra Americana, 1863, 301.
leucoptera, 1863, 301.

Cyanospiza cyanea, 1863, 303; 1864, 425.
Cyanura cristata, 1863, 305; 1864, 430.
Cygnus, 1862, 369.
nigricollis, 1865, 100.
Cypselidæ, 1863, 281, 288, 293.
Cyrtonix Massena, 1864, 375.

D.

Dendragapus obscurus, 1864, 367.
Richardsonii, 1864, 368.
Dendrocygna autumnalis, 1865, 100.
Dendroica æstiva, 1863, 282, 297; 1864, 352, 410; 1866, 239.
blackburniæ, 1863, 297.
Canadensis, 1863, 297.
castanea, 1863, 297.
cœrulea, 1863, 297.
coronata, 1863, 297; 1864, 409.
discolor, 1863, 297; 1864, 411.
maculosa, 1863, 297.
palmarum, 1863, 297.
Pennsylvanica, 1863, 297; 1864, 400.
pinus, 1864, 410.
striata, 1863, 297; 1864, 411.
tigrina, 1863, 297.
virens, 1863, 297; 1864, 408.
Dolichonyx oryzivorus, 1863, 303; 1864, 353, 425.

E.

Ectopistes migratoria, 1863, 305; 1864, 380.
Emberiza oryzivora, 1856, 126.
Empidonax Acadicus, 1863, 294.
flaviventris, 1863, 295.
minimus, 1863, 294; 1864, 402.
Trailii, 1863, 294.
Eremophila cornuta, 1863, 301.
Euspiza albigula, 1863, 303.
Americana, 1863, 303.
Townsendii, 1863, 303.

F.

Falco anatum, 1863, 290; 1864, 387.
borealis, 1856, 111.
columbarius, 1863, 290.
fuscus, 1856, 118.
haliætus, 1856, 114.
Harlanii, 1856, 112.
leucocephalus, 1856, 114.
leverianus, 1856, 111.
niger, 1856, 113.
ossifragus, 1856, 114.
Pennsylvanicus, 1856, 113, 118.
peregrinus, 1856, 117.
sparverius, 1863, 290.
velox, 1856, 118.
Falconidæ, 1863, 278, 290; 1864, 387.
Fringilla cærulea, 1856, 124.
Ludoviciana, 1856, 125.
purpurea, 1864, 354.
Fringillidæ, 1863, 282, 284, 301.

G.

Gallinago Wilsonii, 1863, 306; 1864, 378.
Gallophasis prelatus, 1865, 99.
Gallus, 1862, 359.
banticus, 1865, 98.
ecaudatus, 1865, 98.
giganteus, 1862, 345.
morio, 1865, 98.
Gambetta flavipes, 1863, 307.
melanoleuca, 1863, 306.
Geothlypis Philadelphia, 1863, 296.
tricas, 1863, 282, 296; 1864, 406.
Grallæ, 1863, 285.
Grallatores, 1863, 277, 285; 1865, 44.
Gruidæ, 1863, 285.
Grus Americana, 1856, 156.
Canadensis, 1856, 87.
Guiraca cærulea, 1863, 303.
Ludoviciana, 1863, 303; 1864, 424.

H.

Haliætus leucocephalus, 1863, 279, 291; 1864, 392.
Harporhynchus rufus, 1863, 300; 1864, 404
Helminthophaga chrysoptera, 1863, 296.
peregrina, 1863, 296.
pinus, 1863, 296.
ruficapilla, 1863, 296; 1864, 407.
Helmitherus vermivorus, 1863, 296.
Hirundinidæ, 1863, 282, 283, 298.
Hirundo bicolor, 1863, 298; 1864, 351, 414.
horreorum, 1863, 298; 1864, 351, 413.
lunifrons, 1863, 298; 1864, 413.
rufa, 1854, 447.
Hylotomus pileatus, 1863, 293; 1864, 397.
Hypotriorchis columbarius, 1863, 278; 1864, 388.

I.

Icteria virides, 1863, 296; 1864, 407.
Icteridæ, 1863, 282, 284, 304.
Icterus agripennis, 1856, 126.
Baltimore, 1863, 284, 304, 353; 1864, 427.
phœniceus, 1856, 128.
spurius, 1856, 130; 1863, 304; 1864, 427.
Incessores, 1863, 277, 280; 1865, 38.

J.

Junco hyemalis, 1863, 302; 1864, 423; 1867, 208.

L.

Lagopus, 1863, 291.
albus, 1864, 371.
leucurus, 1864, 370.
Laniidæ, 1863, 282, 283.
Lanius borealis, 1856, 86.
excubitor, 1856, 141.
Ludovicianus, 1856, 86.
septentrionalis, 1856, 141.
tyrannus, 1856, 123.
Liotrichidæ, 1863, 282, 283, 299.
Lophophanes bicolor, 1863, 301.
Lophophorus Impeyanus, 1865, 99.
refulgens, 1865, 99.

Lophortyx Californicus, 1864, 373.
Gambelii, 1864, 374.
Loxia cærulea, 1856, 124.
rosea, 1856, 125.

M.

Melanerpes erythrocephalus, 1863, 293; 1864, 398.
Meleagris, 1866, 288.
gallopavo, 1862, 362; 1863, 305; 1864, 357; 1866, 289, 290.
Mexicanus, 1864, 360; 1866, 289, 290.
ocellatus, 1862, 362; 1864, 360; 1866, 290.
Meliphagidæ, 1867, 206.
Melospiza Lincolnii, 1863, 302.
melodia, 1863, 302; 1864, 424.
palustris, 1863, 302; 1864, 424.
Milvinæ, 1863, 278.
Mimus, 1863, 283.
Carolinensis, 1863, 283, 299; 1864, 405.
polyglottus, 1863, 299.
Mniotilta, 1863, 296.
varia, 1863, 296; 1864, 406.
Molothrus pecoris, 1863, 304; 1864, 426.
Muscicapa tyrannus, 1856, 123.
Myiarchus crinitus, 1863, 294; 1864, 401.
Myiodioctes Canadensis, 1863, 298.
mitratus, 1863, 297.
pusillus, 1863, 297.

N.

Natatores, 1862, 369.
Nauclerus furcatus, 1863, 278.
Numida meleagris, 1862, 363; 1865, 99.
ptilorhyncha, 1865, 99.
tiarata, 1865, 99.
Nyctale Acadica, 1863, 292; 1864, 395.
Nyctea nivea, 1863, 292.
Nycteininæ, 1863, 279.

O.

Oporornis agilis, 1863, 296.
formosus, 1863, 296.
tephrocotis, 1863, 296.
Oreortyx pictus, 1864, 373.
Oriolus mutatus, 1856, 130.
Ortyx Texensis, 1864, 373.
Virginianus, 1863, 306; 1864, 373.
Oscines, 1863, 280, 282.
Otus Wilsonianus, 1863, 292; 1864, 395.

P.

Pandion Carolinensis, 1863, 279; 1864, 392.
Paon speciferus, 1865, 99.
Paridæ, 1863, 282, 284, 301.
Parula Americana, 1863, 296; 1864, 406.
Parus atricapillus, 1863, 301; 1864, 420.
Carolinensis, 1863, 301.
Passerculus Savanna, 1863, 302; 1864, 421.
Passerella iliaca, 1863, 303.
Pavo cristatus, 1862, 369.
Pediocætes Columbianus, 1864, 367.
phasianellus, 1864, 367.
Perdicidæ, 1863, 285; 1864, 373.
Perisoreus Canadensis, 1864, 430.
Phasianidæ, 1863, 305; 1864, 357.
Phasianus Colchicus, 1865, 98.
nycthemerus, 1865, 99.
(Thaumalea) pictus, 1865, 99.
Philohela minor, 1863, 306; 1864, 376.
Picidæ, 1863, 280.
Picoides arcticus, 1864, 397.
Picus auratus, 1856, 145.
borealis, 1863, 293.
Canadensis, 1856, 143.
erythrocephalus, 1856, 143.
pubescens, 1863, 293; 1864, 396; 1867, 205.
villosus, 1856, 143; 1863, 292; 1864, 396; 1867, 205.
Pinicola Canadensis, 1863, 301.
Pipilo erythropthalmus, 1863, 303; 1864, 425.
Plectrophanes Lapponicus, 1863, 302.
nivalis, 1863, 301.
Polioptila cærulea, 1863, 301.
Poocætes gramineus, 1863, 302; 1864, 421.
Progne purpurea, 1863, 298; 1864, 344, 354, 414.
Protonotaria citrea, 1863, 296.
Psittacus Carolinensis, 1856, 151; 1863, 291.
Pyranga æstiva, 1863, 298.
rubra, 1863, 298; 1864, 412.

Q.

Quiscalus major, 1856, 131.
versicolor, 1856, 133; 1863, 304; 1864, 428.

R.

Rallus elegans, 1856, 155.
Raptores, 1863, 277, 278.
Rasores, 1863, 277, 284; 1865, 44.
Regulus calendula, 1863, 295.
satrapa, 1863, 295.
Rhyacophilus solitarius, 1863, 307.

S.

Sayornis fuscus, 1863, 294; 1864, 401.
Scansores, 1863, 277, 280; 1865, 37,
Scolecophagus ferrugineus, 1863, 304; 1864, 428.
Scolopacidæ, 1863, 306.
Scolophax gallinago, 1856, 158.
Wilsonii, 1856, 158.
Scops asio, 1863, 291; 1864, 394.
nævia, 1863, 292.
Seiurus aurocapillus, 1863, 297; 1864, 408.
Ludovicianus, 1863, 297.
Noveboracensis, 1863, 297; 1864, 408.
Setophaga ruticilla, 1863, 298; 1864, 412.
Sialia sialis, 1863, 295; 1864, 352, 405.
Sitta Canadensis, 1863, 300; 1864, 420.
Carolinensis, 1863, 300.
Sphyropicus varius, 1863, 293; 1864, 397; 1867, 205.
Spizella monticola, 1863, 302.
pusilla, 1863, 302; 1864, 423.
socialis, 1863, 302; 1864, 352, 423; 1866, 239.

Squatarola Helvetica, 1863, 306.
Strigidæ, 1863, 279; 1864, 393.
Striginæ, 1863, 279.
Strisores, 1863, 280.
Strix nebulosa, 1856, 120.
nyctea, 1856, 119.
pratincola, 1863, 279, 291; 1864, 393.
Virginiana, 1856, 121.
Sturnella magna, 1863, 304; 1864, 356, 427.
Sturnus prædatorius, 1856, 128.
Surnia ulula, 1864, 395.
Sylvia æstiva, 1864, 409.
Sylvicolidæ, 1863, 282, 295.
Syrrhinæ, 1863, 279.
Syrnium cinereum, 1863, 279.
nebulosum, 1863, 292; 1864, 395.

T.

Tetrao Canadensis, 1856, 153.
umbellus, 1856, 141, 142, 151; 1864, 415.
urogalloides, 1864, 361.
urogallus, 1864, 361.
Tetraonidæ, 1863, 305.
Thryothorus Bewickii, 1863, 300.
Tinnunculus sparverius, 1863, 278; 1864, 388.
Tringoides macularius, 1863, 286, 307.
Trochillidæ, 1863, 281, 293.
Trochilus colubris, 1863, 293; 1864, 399.
Troglodytes ædon, 1863, 300; 1864, 352, 419.
Americanus, 1863, 300.
hyemalis, 1863, 300.
Turdidæ, 1863, 282.
Turdinæ, 1863, 295.
Turdus aliciæ, 1863, 295.
fuscescens, 1863, 295; 1864, 403.
migratorius, 1856, 134; 1863, 282, 295; 1864, 351, 404; 1866, 239.
mustelinus, 1863, 295; 1864, 402.
Pallasi, 1863, 295; 1864, 403.
Swainsonii, 1863, 295; 1864, 404.
Tyrannus Carolinensis, 1863, 281, 294; 1864, 353, 400; 1868, 88.

V.

Vireo flavifrons, 1863, 289; 1864, 417.
gilvus, 1863, 299; 1864, 416.
Noveboracensis, 1863, 299; 1864, 417.
olivaceus, 1863, 299; 1864, 416.
Philadelphicus, 1863, 299.
solitarius, 1863, 299; 1864, 417.
virescens, 1863, 299.
Vulturidæ, 1863, 278, 290.

Z.

Zenaidura Carolinensis, 1863, 305.
Zonotrichia albicollis, 1863, 302; 1864, 422.
leucophrys, 1863, 302.

NAMES OF FISHES.

A.

Acantharchus pomotis, 1866, 410.
Acerina cernua, 1860, 310.
Alosa præstabilis, 1859, 224, 230; 1862, 55; 1868, 322.
tyrannus, 1859, 230.
vulgaris, 1860, 310.
Ambloplites æneus, 1866, 410.
rupestris, 1866, 410, 411.
Amiurus, 1866, 416.
atrarius, 1866, 416.
catus, 1866, 416.
Dekayii, 1866, 416.
Anabus scandens, 1866, 417, 418.
Archoplites interruptus, 1866, 410.
Argentininæ, 1866, 414.
Argyrosomus, 1866, 414.
Atherina notata, 1864, 470.

B.

Betta pugnax, 1866, 417.
Boleosoma tesselatum, 1864, 460.

C.

Callichthys, 1866, 416.
Carassius auratus, 1866, 415.
Catostomus communis, 1864, 460.
teres, 1870, 388.
Centrarchi, 1866, 411.
Centrarchidæ, 1866, 409.
Centrarchinæ, 1866, 409.
Centrarchines, 1866, 410.
Centrarchus æneus, 1859, 224.
irideus, 1866, 410.
Chænobryttus, 1866, 410.
Cichlidæ, 1866, 409.
Clupea mirabilis, 1870, 380.
sagax, 1870, 380.
Cobitis barbatula, 1860, 310.
Coregonus, 1866, 414.
albus, 1859, 224, 227; 1862, 55; 1868, 322, 330.
fera, 1860, 311.
lavaretus, 1860, 311.
maræna, 1860, 311.
muksun, 1870, 386.
nasus, 1870, 386.
palea, 1860, 311.
Cottus, 1870, 388.
Cynoscion Carolinensis, 1866, 408.
Cyprinus barbus, 1860, 310.
brama, 1860, 310.
carpio, 1860, 310.
crassius, 1860, 310.
erythrophthalma, 1860, 310.
tinca, 1860, 310.

E.

Esox affinis, 1866, 413.
cypho, 1866, 413.
estor, 1859, 224; 1862, 55; 1866, 412; 1870, 387.

Esox fasciatus, 1866, 413.
lucius, 1860, 304, 310; 1866, 411, 412.
lucioides, 1866, 412.
nobilior, 1866, 412.
Ravenelii, 1866, 413.
reticulatus, 1859, 224; 1862, 55; 1866, 412, 413.
umbrosus, 1866, 413.
Eumicrotremus orbis, 1870, 382.

F.

Fundulus fasciatus, 1864, 459.

G.

Gadus gracilis, 1870, 380.
lolt, 1860, 311.
macrocephalus, 1870, 375.
polymorphus, 1870, 380.
Gasterosteus, 1864, 460.
Gobio fluviatilis, 1860, 310.
saxatilis, 1860, 302.
Grystes fasciatus, 1868, 322.
megastoma, 1866, 408.
nigricans, 1859, 224; 1866, 408.
salmoides, 1866, 408.

H.

Haploidonotus grunniens, 1866, 416.
Hemilepidotus trachurus, 1870, 382.
Hexagramma Stellerii, 1870, 382.
Hippocampus Hudsonianus, 1864, 470.
ingens, 1870, 382.
Hippoglossus vulgaris, 1870, 381.
Hopladelus limosus, 1866, 416.
Hoplosternum, 1866, 416.
Hyperistius hexacanthus, 1866, 410.
Hypomesus olidus, 1870, 382.
Hypsifario, 1866, 414.

I.

Ictalurus, 1866, 416.

L.

Labrax lineatus, 1859, 224, 230; 1862, 55.
nigricans, 1866, 407, 408.
Lepominæ, 1866, 409.
Lepomines, 1866, 409.
Lepomis appendix, 1866, 410.
Leuciscus atronasus, 1864, 459.
pigmæus, 1864, 459.
Lota maculata, 1870, 387.
Lucioperca, 1868, 330.
Americana, 1859, 224, 227; 1866, 406.
sandra, 1860, 305, 310.
Luciotrutta leucicthys, 1870, 386.

M.

Macropodus viridi-auratus, 1868, 320.
Mallotus villosus, 1866, 414; 1870, 382.
Micropteri, 1866, 408.
Micropterus achigan, 1866, 408.
nigricans, 1866, 408.
Morone, 1866, 406.
Morone Americana, 1866, 407.
interrupta, 1866, 407.
Moxostoma oblongum, 1866, 408.

N.

Noturus gyrinus, 1866, 416.
lemniscatus, 1866, 416.

O.

Onchorhynchus, 1866, 414.
lagocephalus, 1870, 383.
lycaödon, 1870, 383.
orientalis, 1870, 382.
proteus, 1870, 383.
sanguineus, 1870, 382.
Orthagoriscus analis, 1870, 382.
Osmerus, 1866, 414.
Osphromenus Gourami, 1866, 406, 417.
olfax, 1866, 417.
Ortolithus Carolinensis, 1866, 408.

P.

Panopea excelsa, 1870, 426.
Perca Americana, 1866, 405.
flavescens, 1859, 224; 1862, 55; 1864, 459.
fluviatilis, 1860, 310.
Phoxinus lævis, 1860, 302.
Platessa stellatus, 1870, 382.
Plecoglossinæ, 1866, 414.
Plecoglossus altivelis, 1866, 414.
Pleuronectes quadrituberculatus, 1870, 382.
Pomotis aureus, 1866, 409.
vulgaris, 1864, 459; 1866, 409.
Pomoxys (Hyperistius) hexacanthus, 1866, 411.
Petromyzon fluviatilis, 1860, 310.

R.

Retropinna Richardsonii, 1866, 413.
Roccus chrysops, 1866, 406.
lineatus, 1866, 406.

S.

Salmo, 1866, 414.
alpinus, 1870, 383.
confinis, 1859, 224, 227; 1862, 55.
epelanus, 1860, 310.
fario, 1860, 301, 304, 310.
fontinalis, 1859, 224; 1862, 55; 1868, 320, 322.
Gloverii, 1868, 330.
gracilis, 1866, 413.
hucho, 1860, 301, 304, 305, 307, 308, 310.
lacustris, 1860, 301, 304, 311.
purpuratus, 1870, 383.
salar, 1854, 447; 1859, 224, 230; 1860, 301, 304, 311; 1868, 322.
salvelinus, 1860, 311.
thymullis, 1860, 301.
toma, 1868, 330.
trutta, 1860, 304, 311.

Salmo umbla, 1860, 301, 303, 304, 307, 308, 311.
Salmonines, 1866, 414.
Semotilus, 1866, 415.
Silurus glanis, 1860, 310; 1866, 415.
Silus Ascanii, 1866, 414.
Stenodus Mackenzii, 1866, 415.
Stilbe chrysoleucus, 1864, 459.
Stizostedion Americanus, 1866, 405.

T.

Thaleichthys Pacificus, 1870, 381.
Thymallus, 1866, 414, 415.
Pallasii, 1870, 387.
signifer, 1866, 415.
vexillifer, 1860, 310.
Trutta, 1866, 414.

NAMES OF INSECTS.

A.

Abraxas ribearia, 1869, 418.
Acanthia lectularia (Cimex lectularius), 1875, 127, 131, 140.
Acanthocephala (Metapodius) femorata, 1875, 119.
(Rhinchus and Metapodius), 1875, 119.
declivis, 1875, 120.
Acanthosoma grisea, 1875, 117.
lateralis, 1875, 118.
nebulosa, 1875, 117.
Acari, 1873, 388.
Acarus, 1855, 79; 1862, 388.
malus, 1876, 43.
sacchari, 1871, 426.
scabiei, 1871, 426.
telarius, 1871, 109.
Acheta abbreviata, 1862, 380.
vittata, 1862, 380.
Acoloithus (Procris) Americana, 1870, 81.
falsarius, 1870, 81.
Acrydidæ, 1874, 135, 137.
Acrydii, 1868, 308.
Acrydium, 1862, 384, 386, 387, 388; 1866, 28.
alutaceum, 1862, 384, 385.
Americanum, 1862, 385.
(Caloptenus) femur-rubrum, 1862, 384.
flavo-vittatum, 1862, 384.
peregrinum, 1874, 135.
tartaricum, 1874, 135.
Adelops hirtus, 1868, 82, 106.
Ægeria exitiosa, 1854, 80, 81, 83, 253; 1857, 122; 1858, 380; 1866, 29; 1870, 87; 1872, 114; 1876, 37.
polistiformis, 1854, 80; 1867, 72; 1868, 314; 1870, 72; 1871, 150; 1873, 159.
Ægeriadæ, 1868, 314.
Agapanthus suturalis, 1865, 89.
Agraulis vanillæ, 1855, 106; 1866, 43.
Agrilini, 1868, 92.
Agrilus, 1868, 112, 114.
egenus, 1868, 92, 111; 1870, 67.
ruficollis, 1868, 92; 1870, 67.
viridis, 1868, 105.
Agrion, 1876, 35.
Agrionidæ, 1868, 309.
Agriotes manchus, 1868, 94, 110, 115; 1870, 67.
obesus, 1868, 94, 110.
Agriotes segetis, 1868, 94, 110, 116.
truncatus, 1868, 94.
Agromyzidæ tritici, 1872, 134.
Agrotis, 1864, 354; 1865, 239; 1866, 30; 1868, 314; 1872, 122; 1875, 137.
Alaus myops, 1868, 93, 104, 112, 113.
oculatus, 1860, 321; 1861, 609; 1868, 93, 104, 112, 113; 1869, 89.
Aleochara anthomyiæ, 1870, 66.
Aletia argillacea, 1874, 128; 1876, 323.
Aleurodes vaporarium, 1876, 45.
Allorhina (Cotinis) nitida, 1868, 90.
Alucita ceralella, 1844, 166.
Alucitæ, 1868, 315.
Alydus ater, 1875, 120.
eurinus, 1875, 120.
Alypia octomaculata, 1874, 129.
Amara, 1868, 80, 110, 116.
Ambulatoria, 1862, 377.
Ammophila gryphus, 1866, 43.
Amphicerus (Apate) bicaudatus, 1868, 99, 105; 1872, 117.
Amphiscepa (Flata) bivittata, 1876, 28.
Amphizoidæ, 1868, 80.
Anabrus simplex, 1871, 79, 80; 1874, 141.
Anacampsis cerealella, 1854, 67; 1858, 23.
Anarsia lineatella, 1872, 112.
pruinella, 1872, 112, 114.
Anasa tristis (Coreus and Gonocerus tristis), 1875, 120, 137, 139.
Anchylopera vacciniana, 1869, 207; 1870, 85.
Ancylochira lineata, 1868, 91, 113.
striata, 1868, 91, 113, 115.
Anisopteryx vernata, 1866, 39, 43; 1870, 85; 1874, 129.
Anisoscelis, 1854, 61; 1855, 94, 95.
albicinctus, 1875, 119.
Anisota (Dryocampa) rubicunda, 1870, 83.
senatoria, 1866, 42; 1870, 82.
Anobium frumentarium, 1849, 337.
paniceum, 1854, 72.
pertinax, 1864, 435.
striatum, 1868, 99.
tesselatum, 1868, 99.
Anomala, 1861, 603; 1868, 88.
lucicola, 1861, 602; 1868, 110.
pinicola, 1868, 88, 113.
varians, 1865, 39; 1868, 88, 110, 115.
Anomis xylina, 1866, 30, 31; 1867, 58; 1871, 83; 1872, 118; 1873, 162; 1874, 128.

Anthaxiæ, 1868, 91.
Antheræa (Bombyx) pernyi, 1866, 38.
yama-mai, 1870, 81.
Anthicidæ Notoxus monodon, 1868, 101.
Anthocoris insidiosus, 1870, 514.
minutus, 1875, 123.
nemorum, 1875, 123.
(Triphleps) insidiosus, 1875, 123.
Anthomyia brassicæ, 1867, 73; 1868, 564; 1870, 66; 1871, 411.
ceparum, 1865, 238; 1867, 73; 1869, 224; 1872, 133, 134.
radicum, 1872, 134.
raphani, 1872, 134.
Anthonomus bisignatus, 1871, 73.
druparum, 1865, 90.
incurvus, 1865, 90.
pedicularius, 1865, 90.
pomorum, 1865, 90.
prunicida, 1867, 73; 1870, 70.
quadrigibbus, 1867, 73; 1870, 70.
rubra, 1865, 90.
scutellaris, 1870, 70.
signatus, 1871, 73.
suturalis, 1869, 207; 1870, 70.
Anthrax, 1866, 44.
Anthrenus destructor, 1868, 85, 318.
varius, 1868, 85, 109, 115, 116.
Aphelinus mytelaspides, 1876, 43.
Aphidæ, 1868, 315.
Aphides, 1844, 239; 1849, 339, 340; 1855, 67, 107; 1858, 262; 1868, 82; 1870, 87; 1871, 88; 1872, 123, 137; 1873, 388; 1874, 145; 1875, 115, 126, 129; 1876, 24, 34, 36, 43, 73.
Aphididæ, 1863, 275.
Aphidius, 1866, 41; 1876, 35.
Aphis, 1844, 248; 1845, 218, 489, 491; 1854, 60, 62, 79, 84; 1855, 68; 1858, 261; 1864, 89, 100, 559; 1876, 27.
avenæ, 1876, 36.
brassicæ, 1851, 52.
chrysanthemi, 1876, 37.
fabæ, 1849, 338.
gossypii, 1876, 36.
mali, 1876, 35.
persicæ, 1876, 37.
vastator, 1847, 150.
Aphodii, 1865, 40.
Aphodiini, 1868, 86, 108.
Aphodius fimetarius, 1865, 39; 1868, 86, 111.
maculipennis, 1865, 39.
Aphrophora parallela, 1876, 31.
quadrangularis, 1876, 31.
quadrinotata, 1876, 31.
Apiomerus (Reduvius) spissipes, 1875, 130.
Apis acraensis, 1866, 32.
Adansonii, 1866, 32.
fascicata, 1866, 32.
Indica, 1866, 32.
laboressa, 1866, 32.
Ligustica, 1866, 32.
mellifica, 1866, 32.
unicolor, 1866, 32.
Aradides, 1875, 127.
Aradus Americanus, 1875, 127.
Aræocerus coffeæ, 1872, 114.
Archasia galeata (Fab.) (Smilia auriculata of Fitch), 1876, 30.
Arctia, 1855, 84.
(Pyrrarctia) Isabella, 1866, 41.
Arcoda, 1868, 117.
lanigera, 1860, 315, 319; 1868, 108.
Argynnis, 1868, 314.
columbina, 1854, 61; 1855, 66, 105.
Arma, 1871, 74.
grandis, 1874, 123; 1875, 118.
spinosa, 1866, 43; 1874, 123; 1875, 118, 121.
Arthromacra Ænea, 1868, 101.
Articulata, 1868, 306.
Asilidæ, 1866, 44; 1868, 317.
Asilus, 1866, 44.
sericeus, 1866, 44.
Asopia costalis, 1867, 73; 1870, 84.
Aspidiotus citricola, 1876, 43.
(Coccus) citricola, 1876, 43.
Gloverii, 1876, 41.
conchiformis, 1860, 319; 1867, 73; 1869, 536; 1870, 88; 1876, 43.
cryptogamus, 1860, 312.
furfurus, 1860, 313.
Harisii, 1870, 88; 1876, 43.
pinifolia, 1876, 43, 45.
Astoma locustarum, 1874, 138.
Ateucus Ægyptiorum, 1868, 86.
Attacus Cecropia, 1864, 543, 551; 1865, 93; 1866, 37, 41.
Cynthia, 1862, 390, 391; 1864, 542, 551; 1865, 35, 92, 93; 1866, 37, 38.
pernyi, 1866, 38; 1870, 8; 81.
Polyphemus, 1864, 551; 1865, 93, 94; 1866, 37.
Promethea, 1864, 551; 1866, 37.
yama-mai, 1870, 8, 81.
Attelabidæ, 1865, 89.
Aulacizus (Tettigonia) mollipes, 1876, 32.
Aulonium (Colydium) parallelopipedum, 1868, 83, 105, 113.

B.

Baccha, 1866, 45.
Balaninus nasicus, 1870, 70.
rectus, 1870, 70.
Sayii, 1861, 605.
Baridius chloris, 1865, 90.
trinotatus, 1865, 90.
Belostoma, 1868, 315; 1875, 133.
Americana, 1875, 134.
Bembex, 1872, 132.
Bibio albipennis, 1864, 440.
Bicelluli, 1875, 125.
Bigemmi, 1875, 132.
Blatta Americana, 1862, 374, 375, 376.
orientalis, 1862, 374, 375, 376.
Blattariæ, 1868, 308.
Blattidæ, 1874, 131, 145, 146; 1875, 127.
Blissus leucopterus, 1875, 122.
Boletotherus (Boletophagus) cornutus, 1868, 100, 109.
Bombus terrestris, 1849, 338.
Bombycidæ, 1868, 314.
Bombyliarii, 1866, 45.

Bombyliidæ, 1868, 317.
Bombyx (Attacus) arrindia, 1861, 375; 1868, 284.
bauhiniæ, 1865, 93; 1866, 38.
pernyi, 1865, 93.
Cecropia, 1868, 284.
Cynthia, 1861, 374, 375, 380, 382; 1868, 284.
madrona, 1866, 37.
mori, 1864, 485, 543; 1865, 93; 1866, 35; 1867, 75, 470; 1868, 284; 1869, 636; 1870, 82; 1871, 7.
mylitta, 1866, 38; 1868, 284.
yama-mai, 1865, 93; 1866, 38; 1868, 284.
Bostrichidæ, 1865, 91.
Bostrichini, 1868, 99.
Bostrichus (Apate) aspericollis, 1867, 71.
bicaudatus, 1860, 321; 1873, 391.
Braches, 1868, 92.
Brachinus, 1861, 591.
fumans, 1868, 79, 114.
Brachys terminans, 1868, 92.
Brachytarsus varius, 1865, 91.
Braconides, 1866, 41.
Brochymena arborea, 1875, 117.
Brontes planatus, 1865, 91.
Broscus cephalotes, 1865, 88.
Bruchus fabæ, 1871, 375.
flavimanus, 1849, 338, 339, 340; 1870, 71.
granarius, 1849, 338, 339, 340; 1870, 71.
obsoletus, 1870, 72.
pisi, 1849, 338, 339, 340, 341; 1870, 71, 72; 1871, 375; 1872, 123.
sinuatus, 1870, 72.
varicornis, 1870, 72.
Bryaxis, 1868, 82, 110.
Buprestidæ, 1861, 606, 609; 1863, 274, 280; 1864, 439; 1865, 89; 1868, 91, 109, 307.
Buprestis, 1860, 319, 320; 1861, 606, 607; 1863, 566; 1865, 39; 1868, 91, 92; 1870, 67.
(Ancylochira) lineata, 1868, 91.
Byrrhidæ, 1868, 83.
Byturus, 1868, 106.
tomentosus, 1868, 85, 109, 114.
unicolor, 1868, 85, 109.

C.

Cælidea (Jassus) sub-bifasciata, 1876, 32.
Calambius gracilis, 1865, 89.
Calandra, 1861, 604.
granaria, 1849, 335; 1854, 71, 72; 1858, 23.
oryzæ, 1849, 153, 332, 334; 1854, 71, 72; 1866, 41.
palmarum, 1861, 604.
Calathus latus, 1868, 80, 116.
Caliphagon barbatum, 1861, 611.
Callidium bajulus, 1861, 616.
violaceum, 1861, 616.
Callimome, 1872, 127.
Calliphora vomitoria, 1872, 132.
Calocoris (Capsus) bimaculatus, 1875, 125.
Caloptenus, 1872, 117.
femur-ruber, 1867, 65; 1868, 28; 1879, 76; 1871, 78; 1872, 121; 1873, 155; 1874, 136, 137.
spretus, 1866, 28; 1867, 65; 1869, 541; 1870, 76; 1871, 77, 78, 80; 1872, 121; 1873, 155; 1874, 125, 136, 137.
Calosoma, 1865, 91; 1868, 79.
calidum, 1861, 591; 1866, 39; 1868, 79, 106, 114; 1874, 123.
scrutator, 1861, 592; 1866, 39; 1868, 79, 106, 114.
Wilcoxii, 1861, 592.
Comptorhina (Omaloplia) vespertina, 1868, 87, 115.
Campyloneura vitripennis, 1871, 237; 1875, 125.
Cantharides, 1859, 103, 122; 1866, 39; 1868, 106.
Cantharididæ, 1863, 275.
Cantharis, 1869, 636.
atrata, 1868, 103.
cinerea, 1872, 120.
marginata, 1868, 103.
strigosa, 1855, 88.
vesicatoria, 1866, 34.
vittata, 1854, 60; 1876, 324.
Canthon lævis, 1861, 600; 1868, 86, 108, 111.
volvens, 1861, 600.
Capsidæ, 1875, 137.
Capsides, 1875, 125.
Capsus, 1875, 138.
bimaculatus, 1875, 125.
confraterna, 1875, 125.
linearis, 1867, 71.
vitripennis, 1875, 125.
Carabidæ, 1861, 588, 589, 591, 593, 594; 1863, 274, 565; 1865, 91; 1866, 39; 1868, 110, 114, 307.
Carabus, 1854, 62; 1865, 39, 91.
ligatus, 1861, 592.
Carpocapsa pomonella, 1854, 82; 1860, 315; 1869, 536; 1870, 86; 1871, 375; 1872, 116.
Carpophilini, 1868, 83.
Carpophilus, 1855, 97.
hemipterus, 1868, 83, 107, 109, 111.
sexpunctatus, 1865, 91.
Caryberus arthreticus, 1870, 71.
Catocala, 1868, 314.
Cebrio bicolor, 1868, 94.
gigas, 1868, 94.
Cebrionidæ, 1868, 94.
Cecidomyia, 1844, 172; 1868, 317; 1869, 207.
destructor, 1844, 39, 162; 1849, 133; 1854, 72; 1864, 354; 1872, 121, 123, 126.
(Asphondylia) grossulariæ, 1872, 127.
robiniæ, 1872, 127.
tritici, 1844, 39, 133, 167, 169; 1851, 140; 1854, 71, 74; 1866, 40, 42.
Cecigenæ, 1875, 123.
Centronipus calcaratus, 1868, 100, 112.
Cephaloidæ, 1868, 103.
Cephaloon lepturides, 1868, 103.

Cephus pygmæus, 1864, 547; 1866, 42.
Cerambycidæ, 1861, 610, 613; 1863, 275, 280.
Ceraphron, 1872, 126.
Ceratomia quadricornis, 1866, 42.
Cercopidæ, 1876, 30.
Cercopis bicincta, 1876, 30.
Ceresa, 1876, 24.
bubalus, 1876, 29, 30.
diceros, 1876, 29.
Cerostoma brassicella, 1866, 41; 1871, 82.
Cetonia, 1861, 601; 1863, 298.
hirta, 1868, 90, 105.
Inda, 1855, 96.
melancholica, 1854, 61; 1855, 96; 1868, 89.
Cetoniadæ, 1861, 601; 1863, 274.
Cetoniini, 1868, 89, 109, 115.
Ceutorhynchus macula-alba, 1865, 90.
Chalcididæ, 1858, 259, 260; 1866, 42; 1876, 35, 42.
Chalcis, 1866, 42; 1869, 207; 1870, 513; 1872, 126; 1876, 39.
Chalcophora liberta, 1868, 91, 113.
Virginica, 1861, 607; 1868, 91, 113.
Chauliognathus marginatus, 1855, 98; 1868, 96, 108.
Pennsylvanicus, 1854, 60; 1868, 96.
Chermes, 1866, 33.
Chilocorus bivulnerus, 1858, 261; 1863, 579; 1865, 91; 1866, 39.
Chion garganicum, 1861, 614.
Chlorops, 1866, 42.
frit, 1872, 134.
tæniopus, 1872, 134.
Chrysobothris, 1868, 91.
calcarata, 1868, 92, 112, 113; 1870, 67.
dentipes, 1868, 92, 112.
femorata, 1860, 318; 1861, 607; 1866, 42; 1868, 92, 104, 112; 1870, 67.
Harrisii, 1868, 92, 113.
Chrysomelidæ, 1865, 91; 1868, 308.
Chrysopa, 1866, 40; 1872, 133; 1876, 35.
plorabunda, 1870, 514.
Chrysops, 1863, 276; 1872, 129.
Cicada, 1851, 57; 1855, 70; 1862, 386; 1864, 559; 1866, 43; 1867, 70; 1868, 315; 1869, 544; 1871, 79; 1872, 122.
pruinosa, 1876, 24, 27.
septendecim, 1859, 554; 1866, 29; 1867, 67; 1868, 456; 1875, 115; 1876, 25, 325.
Cicadidæ, 1876, 24.
Cicindela, 1854, 62; 1866, 38; 1868, 97.
dorsalis, 1861, 590.
punctulata, 1861, 590.
sexguttata, 1861, 590.
vulgaris, 1861, 589; 1868, 79, 114.
Cicindelidæ, 1861, 589; 1863, 274, 565; 1865, 91; 1868, 78, 114.
Cimex lectularius, 1875, 127.
Cimicidæ, 1868, 316.
Cistela ceramboides, 1868, 101, 112.
sericea, 1868, 101.
Cistelidæ, 1868, 109.
Clastoptera (Cercopis) obtusa, 1876, 31.
proteus, 1869, 207.
Clastoptera (Cercopis) proteus, 1876, 31.
Claviger foveolatus, 1868, 82, 104.
Cleonymus clisiocampæ, 1866, 42.
Cleri, 1868, 97, 106.
Cleridæ, 1861, 95; 1866, 39; 1868, 97, 109, 114, 307.
Clerus, 1868, 114, 116.
alvearius, 1868, 106.
apiarius, 1868, 97, 106.
(Thanasimus) formicarius, 1868, 97.
ichneumoneus, 1861, 596.
Clisiocampa Americana, 1858, 389; 1860, 321; 1866, 29, 42; 1870, 83.
decipiens, 1866, 42.
Clytus arctuatus, 1865, 89.
flexuosus, 1870, 73.
(Arhopalus) pictus, 1865, 89; 1870, 73.
robiniæ, 1861, 616.
sagittatus (pubescens), 1870, 73.
Coccidæ, 1863, 275; 1868, 315.
Coccinella, 1854, 62, 85; 1855, 113; 1857, 124; 1858, 261; 1864, 433; 1871, 74; 1872, 120; 1873, 154; 1874, 125.
munda, 1874, 123.
novemnotata, 1874, 123.
Coccinellidæ, 1863, 274; 1865, 91; 1866, 39; 1868, 308; 1875, 123; 1876, 35, 43.
(Coleoptera), 1876, 42, 44.
Coccus, 1851, 57; 1855, 115, 118; 1858, 257, 258, 259, 260, 261, 268, 269; 1860, 312; 1864, 559, 561; 1865, 91; 1867, 141.
cacti, 1851, 59; 1855, xxxiv; 1864, 433.
cerifera, 1866, 33.
cochinillifer, 1868, 268, 269.
Gloverii, 1876, 41, 43.
ilicis, 1855, li; 1866, 33.
lacca, 1866, 34; 1868, 269.
manniparus, 1870, 184.
pinicorticis, 1876, 44.
Polonicus, 1866, 34.
Cœlinus niger, 1872, 134.
Cœliodes inæqualis, 1867, 72; 1868, 83; 1870, 70.
Cœnocara oculata, 1868, 98, 109, 114.
Cœnocilius ribis, 1866, 41.
Colaspis strigosa, 1865, 91; 1867, 71.
Colastus semitectus, 1855, 98; 1868, 83, 109, 107, 111.
Coleoptera, 1844, 214; 1861, 588, 594, 603; 1862, 372, 373; 1863, 274, 276, 563, 564, 565; 1865, 89; 1866, 38; 1868, 104, 306; 1869, 264; 1872, 127; 1876, 24.
Colydiidæ, 1868, 83, 105, 109.
Collops quadrimaculatus, 1868, 96, 109.
Conocephalus ensiger, 1871, 80.
Conorhinus (Sanguisuga) variegatus, 1875, 127, 131.
Conotrachelus nenuphar, 1860, 314; 1861, 605; 1865, 90; 1870, 68; 1871, 374; 1875, 131.
Copiophora cornuta, 1871, 81.
gracilis, 1871, 81.
mucronata, 1871, 80, 81.
Copris, 1868, 307.
Carolina, 1861, 600.

Coreidæ, 1868, 316.
Coreus (Gonocerus) tristis, 1870, 89; 1875, 120.
Corisidæ, 1875, 134.
Corisides, 1875, 134.
Corisa interrupta, 1875, 134.
Corixa femorata, 1866, 38; 1875, 135, 136.
(or Corisa) interrupta, 1875, 134.
mercenaria, 1875, 135, 136.
Corymelæna, 1875, 116.
Corynetes (Necrobia) rufipes, 1868, 97, 107.
Cotalpa (Areoda) lanigera, 1868, 89, 111, 112, 115, 116.
Cotinus nitida, 1868, 113, 115.
Cratonychus brevicaulis, 1861, 609.
Creophilus villosus, 1868, 82, 107.
Crioceridæ, 1863, 275.
Crioceris asparagi, 1865, 91; 1870, 513.
Cryptophagidæ, 1868, 85, 109, 116.
Cryptus inquisitor, 1866, 41.
Cteniza nidulans, 1873, 161.
Cucujidæ, 1868, 84.
Cucujus testaceus, 1849, 332, 337.
Culex, 1863, 276.
Culicidæ, 1868, 317.
Cupes cinerea, 1868, 117.
concolor, 1868, 98, 105.
Cupesidæ, 1868, 98.
Curculio, 1861, 603; 1876, 405.
Curculionidæ, 1861, 603; 1865, 40, 89; 1868, 308.
Cursoria, 1862, 374; 1874, 130, 131,
Cymatodera (Tillus) undulata, 1868, 97, 105.
Cynipidæ, 1863, 276.
Cynips psenes, 1859, 332.
quercifolii, 1866, 35.
quercus-calycis, 1855, liv.
Scriptorum, 1855, lii.
Cyphon, 1868, 109.
pallidus, 1868, 95, 114.

D.

Dactylosphæra vitifoliæ, 1867, 72.
Dascyllidæ, 1868, 94.
Dasypogon, 1866, 44.
Dasytes flavipes, 1865, 91.
niger, 1868, 114.
Delphax, 1876, 27.
arvensis, 1876, 28.
carinata, 1876, 27.
Dendroides Canadensis, 1868, 101, 111, 112.
Dermestes, 1861, 596.
caninus, 1868, 107.
lardarius, 1856, 29; 1861, 595; 1868, 85, 105, 109.
sex-dentatus, 1849, 337.
vulpinus, 1868, 85, 107, 115.
Dermestidæ, 1868, 85, 106, 107, 108, 109, 115.
Derobrachus, 1861, 613.
Derodontidæ, 1868, 85.
Desmia maculalis, 1854, 78.
Desmocerus cyaneus, 1861, 620.
Diabrotica vittata, 1870, 74; 1871, 71.
Diapheromera femorata, 1874, 134.
Diapria agromyzæ, 1872, 135.
Dicælus, 1861, 593.
dilatatus, 1861, 593.
Dicerca, 1868, 91.
divaricata, 1868, 91, 104, 105, 107, 113; 1870, 67.
lurida, 1868, 91, 111.
punctulata, 1868, 91, 113.
Dichelonycha albicollis, 1868, 87, 113.
elongatula, 1868, 87.
hexagona, 1868, 87, 110.
linearis, 1868, 87, 110.
subvittata, 1868, 87, 110, 113.
Dictyoptera perfaceta, 1868, 95.
sanguineus, 1868, 95, 112.
Diedrocephala (Tettigonia) quadrivittata, 1876, 33.
Dineutes (Gyrinus) Americanus, 1868, 81, 114.
Diplodus luridus (Evagorus virides), 1875, 131.
Diplolepis gallæ-tinctoriæ, 1866, 35.
Diplosis (Cecidomyia) destructor, 1872, 126.
(Cecidomyia) tritici, 1866, 40; 1872, 134; 1874, 123, 145.
Diplotaxis (Melolontha) sordida, 1868, 87, 113.
Diptera, 1863, 274, 276, 563, 564; 1868, 316; 1872, 112, 123, 124; 1876, 35, 39.
Ditoma cruenta, 1865, 91.
Dorcaschema Wildii, 1861, 614.
Dorcatoma similis, 1868, 98.
Dorthesia (?) cataphracta, 1876, 45.
celastri, 1876, 45.
Doryphora decem-lineata, 1864, 541; 1866, 27, 30, 43; 1867, 63; 1868, 80, 501; 1869, 536; 1870, 25, 65, 75, 76; 1871, 74; 1872, 120, 121; 1873, 153; 1874, 122, 123; 1875, 118, 121, 130; 1876, 324.
juncta, 1867, 63; 1870, 75; 1871, 75; 1873, 153; 1874, 123.
Drilus flavescens, 1865, 91.
Dryocampa (Eacles) imperialis, 1866, 44.
senatoria, 1869, 536.
Ductirostri, 1875, 126.
Dynastes Tityus, 1868, 89, 105, 107, 117.
Dynastidæ, 1868, 89, 117.
Dynastini, 1868, 89.
Dysdercus (Pyrrhocoris) suturellus, 1875, 116, 124.

E.

Ectobia Germanica, 1870, 77; 1874, 132.
Ectrichodia cruciata, 1875, 130.
Elaphidion alternatum, 1861, 615.
putator, 1861, 615.
villosum, 1871, 72, 73.
Elater, 1861, 606; 1873, 162.
obscurus, 1868, 93, 110, 115, 116.
Elateridæ, 1861, 606, 609; 1863, 274; 1865, 89; 1868, 92, 94, 113, 116, 307; 1873, 162.
Ellipolampis (Photinus) pyralis, 1868, 95, 117.
Ellychnia (Photinus) corrusca, 1868, 95, 105, 119.
Emesa longipes (brevipennis), 1875, 131.
Emphytus maculatus, 1867, 73.

Enchenopa (Membracis) binotata, 1876, 28.
Endecatomini, 1868, 99.
Endecatomus rugosus, 1868, 99. 109.
Enoplium thoracicum, 1868, 97.
Entilia, 1876, 24.
(Membracis) carinata, 1876, 29.
concava, 1876, 29.
Ephemeræ, 1864, 309, 545.
Ephialtes irritator, 1866, 41.
Epicærus fallax, 1863, 573; 1865, 40, 43.
imbricatus, 1870, 71.
vadosus, 1870, 71.
Epicauta atrata, 1868, 107, 109, 110, 114.
(Cantharis) cinerea, 1868, 103, 107; 1871, 76.
corvina, 1870, 68.
lemniscata, 1871, 75.
marginata, 1868, 106, 107; 1871, 76.
Pennsylvanica, 1868, 103, 105, 107, 109, 110, 114; 1874, 123.
strigosa, 1868, 103, 108, 109.
(Cantharis) vittata, 1868, 103, 109, 114; 1871, 75.
Epilachna borealis, 1865, 91; 1866, 39, 43; 1875, 118.
Erax, 1866, 44.
Ercophilus mali, 1876, 39.
Eriosoma imbricata, 1876, 39.
lanigera, 1876, 38.
mali, 1876, 38.
(Pemphigus) pyri, 1870, 86; 1876, 38.
tesselata, 1876, 39.
Erirhipis Inda, 1868, 107, 110, 111, 113, 115.
Erythroneura, 1871, 85; 1873, 161; 1874, 145.
vitis, 1871, 85; 1875, 125.
Euchetes egle, 1875, 122.
Euchistus (Pentatoma) punctipes, 1875, 118.
Eucnemidæ, 1868, 92, 112.
Eucnemis amœnicornis, 1868, 92, 105.
Eulophus, 1862, 376.
Eumenes fraterna, 1866, 43, 45; 1870, 79.
Eumetopoma ministra, 1858, 389.
Euphoria melancholica, 1868, 109.
Euplexoptera, 1862, 372, 373.
Euryomia (Erirhipis) Inda, 1868, 90, 115.
(Euphoria) melancholica, 1868, 90, 107.
Eurytoma hordei, 1854, 76; 1863, 42.
Euschistus punctipes, 1874, 123.
Evagorus rubidus, 1866, 44; 1875, 131.
viridis, 1875, 131.
Exochomus guexi, 1858, 261; 1865, 91; 1866, 39.

F.

Faidherbia (Bombyx) bauhiniæ, 1865, 93; 1866, 38.
Fidia murina, 1867, 71.
Flata limbata, 1851, 57.
nigricornis, 1851, 57.
Forficula, 1862, 373; 1874, 130.
auricularia, 1862, 373, 374.
gigantea, 1862, 373.
Forficulidæ, 1862, 373; 1868, 308; 1874, 130.
Fornax, 1868, 92, 112.
Fulgora scolaps (Fulgora—Say) sulcipes, 1876, 27.

G.

Galerita, 1861, 591.
Americana, 1861, 591.
Galeruca calmariensis, 1867, 62; 1870, 73.
Galgulides, 1875, 132.
Galgulus oculatus, 1875, 132.
Gamasus, 1868, 82.
Gasterophilus (Gastrus) equi, 1872, 130.
Geocorisæ, 1875, 115, 119.
Geometræ, 1855, 90.
Geometridæ, 1868, 314.
Georyssidæ, 1868, 85.
Geotrupes splendidus, 1868, 86, 108, 111.
Geotrupini, 1868, 86,
Gerris conformis, 1875, 132.
lacustris, 1875, 132.
Gonocerus tristis, 1871, 72; 1875, 120.
Gorytis, 1876, 31.
Graptodera chalybea, 1870, 74.
Gressoria, 1874, 130, 131, 133.
Gryllidæ, 1868, 308; 1874, 142, 143.
Gryllotalpa, 1868, 308.
borealis, 1862, 378; 1874, 143.
brevipennis, 1862, 378.
didactyla, 1862, 378; 1874, 144.
Gryllotalpinæ, 1874, 143.
Gryllus centurio, 1872, 116.
(Acheta) domesticus, 1874, 142.
(Locusta) migratorius, 1862, 385.
Gymnetis nitida, 1851, 601.
Gyrinidæ, 1868, 80, 114, 307.
Gyrinus natator, 1864, 459.

H.

Haltica striolata, 1865, 280.
Hammatocerus (Nabis) furcis, 1875, 130.
Harpactor, 1871, 74.
cinctus, 1867, 63; 1874, 123; 1875, 130.
Harpalidæ, 1861, 592.
Harpalus, 1854, 87.
(Pangus) caliginosus, 1868, 80, 110, 116, 123, 187.
herbivagus, 1861, 592.
ruficornis, 1863, 565.
Heliomanes bimaculatus, 1867, 72; 1870, 73.
Heliothis, 1854, 64, 69; 1855, 98, 99; 1861, 592.
armigera, 1865, 43; 1866, 30; 1870, 84; 1871, 84, 411; 1872, 118.
phloxiphaga, 1867, 74.
Helops micans, 1868, 100, 112.
Hemerobius, 1854, 62, 86; 1855, 115; 1857, 125; 1866, 40.
Hemiptera, 1844, 172; 1862, 387; 1863, 274, 275, 276, 564; 1868, 269, 315; 1869, 207; 1874, 145; 1875, 114; 1876, 24, 45.
Hesperians, 1868, 314.
Heteroceridæ, 1868, 85.
Heteroptera, 1863, 563; 1864, 557; 1866, 43; 1868, 315; 1875, 114, 115, 132, 136, 137, 138, 140; 1876, 35.
Hippobosca equinæ, 1872, 135.
Hippodamia convergens, 1874, 123.
maculata, 1866, 41; 1874, 123.

Hippodamia quindecimpunctata, 1874, 123.
Hispidæ, 1863, 275.
Histeridæ, 1868, 83, 105, 107, 108, 116.
Histrini, 1868, 104.
Holotrichia crenulata, 1868, 88, 104, 107, 108, 111, 112, 113.
Homoptera, 1862, 387; 1863, 563; 1864, 559; 1866, 44; 1868, 315; 1875, 114, 115; 1876, 24.
Hoplia debilis, 1868, 87, 113.
Hoplocephala bicornis, 1868, 100, 106.
Hoplophora quadrivittata, 1876, 30.
Horia maculata, 1868, 103.
Horiadæ 1868, 106.
Hya terminalis, 1875, 132.
Hydnocera (Clerus) humeralis, 1868, 97.
Hydnoceri, 1868, 97.
Hydrocorisæ, 1875, 132, 134.
Hydrometridæ, 1868, 315.
Hydrophilidæ, 1861, 593; 1868, 81, 114, 116, 307.
Hydrophilus piceus, 1868, 81, 105, 112, 116.
triangularis, 1868, 81.
Hydrorisæ, 1875, 115.
Hydrous piceus, 1864, 459.
Hylesinus aculeatus, 1868, 97.
Hylobius pales, 1861, 605.
Hylocœtus Americanus, 1868, 98, 112.
Hymenoptera, 1862, 388; 1863, 274, 275, 276, 563, 564; 1864, 546; 1866, 40; 1868, 309; 1875, 132; 1876, 35, 39, 42.
Hypoderma (Œstrus) bovis, 1872, 130.
Hypophlœus bicolor, 1865, 91.
parallelus, 1868, 100, 113.

I.

Ichneumon, 1854, 84; 1855, 111, 112; 1857, 125; 1862, 376.
Ichneumonidæ, 1858, 262.
Infericornes, 1875, 121, 122.
Ipini, 1868, 105.
Ips quadrisignatus, 1868, 83, 110.
Ithycerus curculionoides, 1861, 604.
noveboracensis, 1860, 321.
Iulidæ, 1865, 39, 40, 42.
Iulus, 1864, 354.

L.

Labia, 1862, 373.
Labidura, 1862, 373.
Lachnosterna, 1865, 39; 1866, 30.
fusca, 1868, 88, 107, 108, 110, 111, 112, 113, 114; 1872, 122; 1873, 152; 1874, 129.
hirticula, 1868, 88, 104, 107, 108, 111, 112, 113.
(Phyllophaga) micans, 1868, 88, 104, 107, 108, 111,112, 113.
quercina, 1864, 353; 1868, 104.
Lachnus caryæ, 1876, 37.
strobi, 1876, 38.
Læmophlœus (Cucujus) modestus, 1864, 84; 1868, 110.
Lagria hirta, 1868, 101, 112.
Lagriidæ, 1868, 101.
Lamellicornia, 1861, 597, 598; 1863, 566; 1868, 307.
Lampyridæ, 1868, 93, 95, 112, 114, 307
Lampyris, 1868, 95.
noctiluca, 1868, 115.
Largus succintus, 1875, 124.
Larrada argentata, 1866, 43.
Lasioptera, 1872, 127.
Lathridiidæ, 1868, 84.
Lebia, 1871, 74.
grandis, 1867, 63; 1868, 80, 114; 1874, 123
Lebiæ, 1868, 80, 108.
Lecanium acericola, 1876, 44.
acericorticis, 1876, 44.
hesperidum, 1876, 44.
macluræ, 1876, 44.
juglandifex, 1876, 44.
pyri, 1860, 313.
Leiopus xanthoxyli, 1870, 73.
Lema trilineata, 1871, 75.
Lepidoptera, 1859, 553; 1863, 274, 275, 276, 279, 280, 281, 563, 564; 1864, 548; 1866, 43; 1867, 472; 1868, 96, 310; 1876, 24.
Lepisma, 1868, 309; 1874, 145, 146.
Lepismatidæ, 1874, 146.
Leptoglossus phyllopus, 1875, 117, 119.
Leptostylus, 1863, 576.
aculiferus, 1860, 319.
Leptura, 1861, 619.
vittata, 1861, 620.
Lepturidæ, 1861, 610, 619.
Leucania extranea, 1868, 79.
unipuncta, 1863, 275; 1870, 83; 1871, 84; 1872, 122; 1873, 391; 1876, 323.
Leucopis, 1876, 35.
Libellulidæ, 1868, 309.
Lixus angustatus 1865, 90.
concavus, 1865, 90; 1870, 71.
paraplecticus, 1870, 71.
Lobesia botrana, 1870, 86.
Locusta, 1855, 69, 77; 1862, 384, 385, 386, 387.
Carolina, 1862, 386.
curtipennis, 1862, 386.
sulphurea, 1862, 386.
Locustariæ, 1868, 308.
Locustidæ, 1874, 140.
Longicornia, 1861, 606, 609, 610, 614; 1868, 308.
Lophyrus Abbottii, 1867, 73.
Lecontei, 1867, 73.
Lucanidæ, 1861, 600; 1863, 274; 1868, 85, 115.
Lucanus, 1868, 114.
capreolus, 1860, 320.
dama, 1861, 598; 1868, 85, 104, 107, 112, 117.
Lucilia Cæsar, 1872, 132.
Lycus, 1868, 109, 117.
Lygæus, 1855, 86, 103.
bicrucis, 1875, 122.
fasciatus, 1875, 122.
lincolaris, 1875, 126.
lineatus, 1875, 125.
turcicus, 1875, 121.
Lygæides, 1875, 121.
Lymexylidæ, 1868, 98.
Lymexylon navale, 1868, 98, 112.
sericeum, 1868, 98, 112.
Lytta, 1866, 30.

Lytta atrata, 1866, 34.
cinerea, 1866, 34.
fulgifer, 1860, 315.
marginata, 1866, 34.
Nuttalli, 1866, 34.
pyrivora, 1860, 315.
vittata, 1869, 541; 1870, 90; 1876, 324.

M.

Macrobasis albida, 1872, 120.
cinerea, 1868, 110, 111, 114.
Fabricii, 1868, 114.
Macrodactylus subspinosus, 1861, 602; 1865, 87, 92; 1867, 71; 1868, 87, 104, 107, 108, 109, 110, 111, 112, 113, 114, 115; 1874, 125.
Macroglenes, 1872, 126, 127.
Macrosila (Sphinx) Carolina, 1866, 42; 1870, 427; 1872, 123; 1873, 157; 1874, 129.
celeus, 1870, 80.
quinquemaculata, 1870, 80; 1874, 129.
Malachidæ, 1868, 96, 109, 114.
Malachius, 1868, 96.
Æneus, 1865, 91.
Mallodon, 1861, 613.
Mallophaga, 1874, 130, 146.
Mantidæ, 1863, 275; 1874, 130, 133; 1875, 132.
Mantis, 1854, 88; 1862, 383; 1864, 434.
Carolina, 1862, 376, 377; 1866, 40; 1868, 308; 1874, 133.
Megacephala Carolina, 1854, 87; 1855, 109.
Megascolex diffrigens, 1871, 82.
Melanactes, 1873, 162.
Melandrya umbrina, 1868, 101.
Melandryidæ, 1868, 105.
Melandryini, 1868, 101.
Melanolestes abdominalis, 1875, 130.
(Pirates) picipes, 1875, 130.
Melanophila (Chrysobothris) fulvoguttata, 1868, 91, 113.
Melanotus (Cratonychus) communis, 1868, 94, 105, 109, 110, 116, 117.
Melitæa Phæton, 1867, 72.
Melœ, 1868, 106.
angusticollis, 1868, 102, 106, 114.
Meloidæ, 1868, 102, 108, 113, 116.
Melolontha, 1861, 590, 601.
vulgaris, 1868, 88; 1869, 632.
Melolonthidæ, 1861, 601; 1868, 87, 116.
Melophagus ovinus, 1872, 135.
Membracidæ, 1868, 315.
Membracis, 1862, 387; 1876, 28, 29, 30, 31.
Meroporus graminicola, 1849, 332; 1866, 41.
Metapodius femorata, 1875, 119.
Microgaster congregata, 1873, 158.
Micropus leucopterus, 1875, 115, 122.
(Rhyparochromus) leucopterus, 1869, 537; 1872, 121; 1874, 127; 1875, 139.
(Rhyparochromus) devastator, 1875, 122.
Midas filatus, 1866, 44.
Milyas (Harpactor) cinctus, 1875, 130.
Monohammus titillator, 1861, 613.
Monotomidæ, 1868, 83.
Mordella octopunctata, 1868, 101, 109.
pusilla, 1868, 101, 111.
Mordellidæ, 1868, 101.
Mormidea (Œbalus) typhea, 1867, 71.
Murgantia, 1875, 116.
Murmidiidæ, 1868, 83.
Murmidius ovalis, 1868, 114.
Musca Cæsar, 1865, 39.
corvina, 1856, 29.
Muscidæ, 1868, 102, 317.
Mycetobia (Mycetophila) persicæ, 1872, 115.
Mycetophagidæ, 1868, 84, 105, 109.
Mycetophilidæ, 1868, 317.
Mycteridæ, 1868, 104.
Mytilaspis pinicorticis, 1876, 43.

N.

Nabis, 1866, 44.
ferus, 1876, 35.
Nacerdes melanura, 1868, 103, 109.
Naucorides, 1875, 132.
Naucoris poeyi, 1875, 132.
Nausibius (Sylvanus) dentatus, 1868, 84, 105, 115.
Necrobia, 1868, 107.
violaceus, 1868, 98, 107, 109, 114.
Necrodes Surinemensis, 1861, 595.
Necrophila Americana, 1868, 82.
peltata, 1868, 82.
Necrophorus, 1861, 595; 1862, 380; 1866, 39.
Americanus, 1868, 82, 106, 115.
marginatus, 1868, 81, 106.
tomentosus, 1861, 594.
Neides (Berytus) spinosus, 1875, 121.
elegans, 1875, 121.
tipularia, 1875, 121.
Nematus ventralis, 1873, 254, 255.
ventricosus, 1870, 77.
Nepa apiculata, 1875, 133.
Nepidæ, 1868, 315.
Nepides, 1875, 132, 133.
Neuroptera, 1863, 274, 275, 276, 563, 564; 1864, 545; 1866, 40, 309; 1876, 35.
Nezard hilaris (Rhaphigaster Pennsylvanicus), 1875, 117.
Nitidulidæ, 1868, 83, 107, 109, 116.
Nitidulini, 1868, 83, 105, 107, 109.
Noctua (Anomis) xylina, 1855, 71; 1856, 294; 1864, 89, 90; 1866, 30.
Noctuidæ, 1868, 314.
Notonecta, 1875, 135, 136.
glauca, 1864, 459.
Notonectidæ, 1868, 315.
Notonectides, 1875, 134, 135.
Notoxus monodon, 1868, 97, 101, 108, 109.
Nudirostri, 1875, 127.
Nysius raphanus, 1875, 122, 139.

O.

Oberea, 1865, 89.
linearis, 1865, 89.
tripunctata, 1861, 619; 1863, 576; 1865, 89; 1870, 67.
Ocypete, 1862, 388.
rubra, 1872, 128.
Odontonyx (Dasytes) trivittis, 1868, 94.

Œcanthus niveus, 1862, 381; 1874, 143.
Œceticus, 1855, 79.
Œdemera apicalis, 1868, 103.
Œdemeridæ, 1868, 103, 109.
Œdipoda, 1874, 136.
atrox, 1871, 77, 78; 1874, 137.
pellucida, 1871, 78.
Œstridæ, 1868, 317.
Œstrus, 1857, 82.
(Cephalomyia) ovis, 1872, 129.
Oiketicus, 1858, 264.
coniferum, 1859, 553.
Oliarius, 1876, 28.
Omaseus, 1865, 90.
Omophron labiatum, 1868, 79, 111.
Oncideres cingulatus, 1867, 72; 1871, 72; 1873, 153.
Ophion bilineatus, 1866, 41.
macrurum, 1866, 41.
Ophthalmicus, 1875, 122.
Opilus mollis, 1865, 91.
Opsomala, 1862, 384.
Orchelimum gracile, 1862, 382.
vulgare, 1862, 382; 1874, 141.
Orgyia leucostigma, 1866, 42.
Ormenis (Pœciloptera and Elata) pruinosa, 1876, 28.
(Pœciloptera) septentrionalis, 1876, 28.
Ortalidæ, 1872, 134.
Ortalis flexa, 1872, 133, 134.
Orthopleura damicornis, 1868, 97, 116.
Orthoptera, 1862, 372, 374, 376, 377, 378, 383, 387, 390, 391; 1863, 274, 275, 276, 281, 284, 285, 563, 564; 1864, 543; 1866, 40; 1868, 308; 1871, 77; 1872, 127; 1874, 129, 133, 144, 145; 1875, 132; 1876, 325.
Orthostethus infuscatus, 1868, 94, 107.
Oscinis, 1872, 134.
Osmoderma eremicola, 1860, 320; 1868, 90, 104, 107, 112.
scabra, 1860, 320; 1868, 90, 104.
Othniidæ, 1868, 84.
Otiocerus amyottii, 1876, 27.
coquebertii, 1876, 27.

P.

Pachylis gigas, 1875, 120.
Pachymerus calcitrator, 1866, 42.
Pachytylus (Œdipoda) migratorius, 1874, 135, 136.
Pangus caliginosus, 1861, 592; 1863, 564; 1865, 88.
Papilio asterias, 1866, 41; 1868, 314.
thoas, 1858, 263.
Papilionidæ, 1868, 314.
Pasimachus elongatus, 1874, 123.
Passalæcus mandibularis, 1876, 35.
Passalus cornutus, 1861, 599; 1868, 86, 112.
Pediculidæ, 1876, 45.
Pediculus, 1851, 58.
(humanis) capitis, 1876, 45.
pubis, 1876, 45.
vestamenti, 1876, 45.
Pediculi, 1868, 316.
Pedirapti, 1875, 132, 133.
Pediremi, 1875, 132, 134.
Pelidnota, 1868, 117.
punctata, 1854, 79; 1861, 602; 1868, 88, 110, 318.
Pemphigus, 1873, 160.
pyri, 1860, 316.
(Dactylosphæra) vitifoliæ, 1870, 87, 88; 1871, 87; 1873, 160; 1874, 127; 1875, 123; 1876, 39, 40.
Pentatoma, 1854, 61; 1855, 93; 1866, 44.
punctipes, 1875, 118.
Pentatomidæ, 1868, 316.
Penthina vitivorana, 1870, 86.
Perichæta diffringens, 1871, 82.
Phakellura nitidalis, 1870, 84.
Phalacridæ, 1868, 83.
Phalangium, 1872, 128.
Phanæus carnifex, 1868, 86, 108, 111.
Phaneroptera curvicauda, 1862, 382.
Phasmidæ, 1868, 308; 1874, 134.
Phengodes plumosa, 1868, 95.
Photinus pyralis, 1873, 155.
Phrygadenon planosæ, 1866, 41.
Phryganea, 1866, 40.
Phryganeæ, 1864, 458.
Phryganeidæ, 1868, 309.
Phycita nebulo, 1867, 73.
Phyllium, 1862, 377.
Phyllobius argentatus, 1865, 90.
betulæ, 1865, 90.
oblongus, 1865, 90.
pyri, 1865, 90.
Phyllophaga quercina, 1861, 601; 1868, 88; 1870, 524.
Phylloptera oblongifolia, 1862, 382.
Phylloscelis atra (var. pallescens), 1876, 27.
Phyllotreta striolata, 1874, 145.
Phylloxera, 1873, 389; 1874, 441, 442.
vastatrix, 1870, 87, 88; 1871, 87; 1873, 160, 289, 389; 1874, 127, 438; 1876, 40.
vittata, 1872, 504.
Phymata erosa, 1875, 126; 1876, 35.
Phyrrhocoris suturellus, 1858, 272.
Phytobius, 1870, 68.
Phytocoris linearis, 1845, 94.
quadrivittatus, 1875, 125.
Phytœcia epiphippium, 1865, 89.
Phytomyzidæ, 1872, 135.
Pieris oleracea, 1870, 79.
protodice, 1870, 79.
rapæ, 1870, 79, 82; 1871, 411.
Pimpla, 1874, 138.
atrata, 1866, 41.
lunator, 1866, 41.
Piophila casei, 1856, 29.
Pirates, 1866, 44.
biguttatus, 1875, 127, 128.
Pissodes strobi, 1870, 71.
Platycerus quercus, 1868, 112; 1870, 66.
Platygaster, 1872, 127.
(Inostemma) semiotellus, 1872, 126.
Platyphyllum perspicillatum, 1862, 381.
Platysamia Cecropia, 1867, 74.
Ploiaria vagabunda, 1875, 131.
Ploteres, 1875, 132.
Plusia, 1854, 61.
Plutella limbipennella, 1871, 82.
xylostella, 1871, 82.

Podisus cynicus, 1875, 118, 121.
(Arma) spinosus, 1875, 118, 121.
Podura, 1868, 102.
Poduræ, 1874, 145.
Poduridæ, 1874, 130, 145.
Pœcilus, 1865, 91.
Polistes, 1865, 38.
rubiginosus, 1874, 123.
Polycaon Stoutii, 1868, 100.
Polydrosus micans, 1865, 90.
planifrons, 1865, 90.
sericeus, 1865, 90.
Polyphemus, 1867, 74.
Polyphylla (Melolontha) variolosa, 1868, 88, 104, 107, 108, 111, 112, 113.
Pomphopœa (Lytta) Ænea, 1868, 103.
Pontia, 1870, 79.
brassicæ, 1861, 592.
Porizon conotracheli, 1871, 77.
Priocycla armataria, 1871, 83.
Prionidæ, 1861, 610.
Prionotus cristatus (Reduvius novenarius), 1875, 115, 128, 130, 140.
Prionus, 1861, 613; 1871, 150.
brevicornis, 1870, 72.
Californicus, 1861, 611, 612.
cylindricus, 1861, 611, 612.
imbricornis, 1870, 72.
laticollis, 1861, 611, 612; 1870, 72.
Pristiphora grossulariæ, 1870, 77; 1875, 118.
identidem, 1869, 207.
Proconia undata, 1876, 31.
Procris Americana, 1854, 78.
Procrustes, 1865, 91.
Prodenia autumnalis, 1871, 376; 1872, 118.
Prometopia sexmaculata (Aradus), 1875, 127.
Pselaphidæ, 1868, 82, 104.
Psila rosæ, 1872, 133, 134.
Pseudoclerus ichneumoneus, 1868, 97, 105, 112.
nigripes, 1868, 105, 114.
Psocidæ, 1858, 263.
Psoini, 1868, 99.
Psylla pyri, 1860, 314; 1876, 33, 34.
rhois, 1876, 33.
Psyllidæ, 1876, 33.
Pteromalus, 1866, 42.
tabacum, 1873, 158.
Pterostichini, 1868, 80, 110.
Ptilinus pectinicornis, 1868, 99, 105, 106, 110, 111.
ruficornis, 1868, 99.
Ptilodactyla elaterina, 1868, 94, 112.
Ptinidæ, 1868, 98, 117.
Ptinus fur, 1868, 98, 108, 109, 110. 111, 117.
humeralis, 1868, 98.
Pyralis olinalis, 1867, 73.
Pyralidæ, 1868, 314.
Pyrochroa coccinea, 1868, 101, 106, 112.
dendroides, 1868, 101, 111.
flabellata, 1868, 101, 109.
Pyrochroidæ, 1868, 101.
Pyrophorus noctilucus, 1868, 93, 115; 1873, 155.
physoderus, 1873, 154.
Pyrrhocoris suturellus, 1875, 116, 124.
Pythidæ, 1868, 104.
Pytho Americanus, 1868, 104, 113, 114.
depressus, 1868, 104, 113.

R.

Ranatra quadridenticulata, 1875, 133.
Raptoria, 1862, 376.
Reduviidæ, 1868, 316.
Reduvius, 1868, 316.
novenarius, 1854, 88; 1855, 94, 110; 1864, 558; 1866, 43; 1867, 49; 1875, 128.
personatus, 1875, 127, 128.
raptorius and multispinosus, 1876, 35.
Resthenia (Capsus) confraterna, 1875, 125.
Rhagium lineatum, 1861, 620; 1865, 41; 1868, 104.
Rhagonycha melanura, 1865, 91.
Rhaphigaster Pennsylvanicus, 1875, 117.
Rhipicera marginata, 1868, 94, 113.
Rhipiceridæ, 1868, 94.
Rhipiphoridæ, 1868, 101.
Rhipiphorus bicolor, 1868, 102.
bimaculatus, 1868, 102, 108.
paradoxus, 1868, 101, 116.
Sayi, 1868, 102, 109.
Rhizopertha pusilla, 1868, 94, 116.
Rhizophagus depressus, 1865, 91.
Rhopalus lateralis, 1875, 121, 139.
Rhozobius, 1876, 39.
Rhynchænus, 1855, 301
nenuphar, 1854, 81.
Rhynchites alliaria, 1865, 90.
Bacchus, 1865, 90.
betulæ, 1865, 89.
conicus, 1865, 89.
cupreus, 1865, 89.
Rhyncophoridæ, 1863, 274.
Rhyncophorus Zimmermanii, 1861, 604.
Rhyparochromus devastator, 1875, 122.
(Micropus) leucopterus, 1870, 89; 1871, 85; 1875, 139.
Rhyssodidæ, 1868, 84.
Romalea, 1862, 384.
microptera, 1872, 116, 119.
Rutelæ, 1868, 88.

S.

Saltatoria, 1862, 378, 381; 1874, 130, 131, 135.
Samia Cecropia, 1868, 314.
(Attacus) Cynthia, 1867, 74, 75; 1870, 8, 81.
Sandalus, 1868, 107.
niger, 1868, 94.
Saperda, 1860, 319; 1861, 609; 1865, 89.
bivittata, 1858, 389; 1860, 317; 1861, 617.
vestita, 1861, 618.
Sarcophaga, 1866, 44; 1867, 66.
carnaria, 1872, 132.
Sarcopsylla penetrans, 1872, 136.
Saturnia Io, 1855, 81.
Satyrus, 1868, 314.
Scaphidiidæ, 1868, 83.
Scaphinotus, 1861, 592.
Scarabæidæ, 1861, 600; 1863, 274, 280; 1868, 86.
Scarabæus, 1869, 264.

Sciara fucata, 1872, 116.
(Molobrus) mali, 1872, 115.
thomæ, 1872, 115.
pyra, 1872, 116.
quinquemaculata, 1872, 116.
Schizopodidæ, 1868, 94.
Scolytus caryæ, 1867, 74; 1870, 68.
pyri, 1860, 314, 320.
Scydmænidæ, 1868, 82, 104.
Selandria cerasi, 1860, 315; 1870, 79.
Semasia prunivora, 1867, 73.
Serica iricolor, 1868, 87, 104, 113, 116.
(Omaloplia) sericea, 1868, 87, 115.
vespertina, 1868, 115.
Serphus (Zaitha) dilatatus, 1875, 134.
Serricornia, 1861, 606.
Sigalphus curculionis, 1871, 77, 375.
Silpha, 1866, 39.
(Necrophila) Americana, 1861, 595.
atrata, 1865, 90, 91.
lævigata, 1865, 90, 91; 1868, 81, 115.
quadripunctata, 1865, 91.
Silphidæ, 1861, 595; 1865, 90; 1868, 81, 106, 108, 115, 307.
Simulidæ, 1872, 129.
Simulium columbaschensis, 1872, 129.
Sinea multispinosa, 1875, 130.
Sitodrepa (Anobium) panicea, 1868, 98, 106, 110, 111, 112, 113, 114, 116; 1870, 66.
Sitophilus granarius, 1861, 603.
oryzæ, 1861, 603.
Smilia auriculata, 1876, 30.
(Membracis) inornata, 1876, 30.
(Membracis) vau, 1876, 30.
Smynthurus, 1874, 145.
Spectrum bivittatum, 1862, 377.
femoratum, 1862, 377.
Sphæridiidæ, 1868, 81, 108.
Sphæroderus, 1861, 592.
Sphenophorus, 1854, 67.
caryosus, 1870, 68.
13-punctatus, 1861, 603.
Zeæ, 1870, 68.
Sphex, 1862, 376.
Sphingidæ, 1868, 314.
Sphinx Carolina, 1855, 66.
eremitis, 1870, 80.
sordida, 1870, 80.
Spilota lucicola, 1868, 88, 110.
pinicola, 1868, 113.
Spondylis, 1861, 613.
Staphylinidæ, 1861, 596; 1865, 91; 1868, 82, 83, 105, 107, 108, 109, 116, 307; 1870, 66.
Staphylinini, 1868, 116.
Staphylinus, 1862, 372; 1868, 116.
maculosus, 1861, 595.
Stelidota geminata, 1868, 83, 107, 110, 116.
Stenocorus putator, 1871, 72.
Stenurus, 1861, 607.
Stictocephala (Smilia) inermis, 1876, 30.
Stiretrus Diana, 1866, 43; 1875, 118.
fimbriatus, 1874, 123; 1875, 119.
Stirus speciosus, 1876, 25.
Stizus speciosus, 1866, 43; 1867, 69.
Stomoxys calcitrans, 1872, 132.
Strachia histrionicha, 1876, 71; 1870, 90; 1871, 84; 1875, 116, 137, 139.
Strangalia luteicornis, 1861, 620.
Strategus Antæus, 1868, 89.
Stratiomyidæ, 1868, 317.
Stylopidæ, 1868, 102, 106, 116.
Stylopyga orientalis, 1874, 132.
Supericornes, 1875, 119.
Sylvanus, 1849, 153.
bidentatus, 1868, 84, 105, 107.
dentatus, 1868, 84.
quadricollis, 1854, 66; 1855, 97; 1868, 84, 107, 111.
Surinamensis, 1849, 154, 332, 336; 1868, 84, 110, 111, 115, 116; 1870, 66.
tridentatus, 1865, 91.
Synchroa punctata, 1868, 101, 112.
Synoxylon (Apate) basilare, 1868, 99, 108, 111, 116.
sexdentatum, 1865, 91.
Syrphici, 1866, 44.
Syrphidæ, 1868, 102, 317.
Syrphus, 1855, 69, 112; 1876, 35.
Syrtis, 1876, 126.
Systena blanda, 1873, 152.

T.

Tabanidæ, 1863, 276; 1868, 317; 1872, 129.
Tabanus atratus, 1872, 129.
Tachina, 1866, 44; 1867, 66; 1871, 74.
doryphoræ, 1874, 123.
vivida, 1866, 44.
Tachinidæ, 1863, 276; 1872, 131.
Telamona, 1876, 24.
ampelopsidis, 1876, 29.
Teleas (Hymenoptera), 1875, 132.
Telephoridæ, 1868, 96, 109, 114.
Telephorus, 1868, 117.
bilineatus, 1868, 96, 114.
fuscus, 1865, 91.
lividus, 1865, 91.
Tenebrio molitor, 1868, 100, 106, 108, 111.
obscurus, 1868, 100, 108.
Tenebrionidæ, 1868, 100, 105, 106, 108, 109, 115, 116, 307.
Tenthredinidæ, 1863, 276; 1873, 254.
Termes fatalis, 1864, 435.
Tessaropa tenuipes, 1870, 73.
Tetracha (Megacephala) Virginica, 1870, 65; 1874, 123.
Tetrix, 1862, 384, 387.
lateralis, 1862, 387.
Tettigonia, 1854, 77; 1855, 70; 1867, 68; 1876, 27, 32, 33.
vitis, 1871, 85; 1876, 32, 33.
Tettigoniadæ, 1868, 315.
Tetyra bipunctata, 1875, 116.
Thanasimus formicarius, 1865, 91, 114.
(Pseudoclerus) nigripes, 1868, 97.
Thelia acuminata, 1876, 30.
bimaculata, 1876, 29.
Theridion brassicæ, 1871, 82, 83.
hypophyllum, 1871, 82, 83.
Thripidæ, 1874, 130, 144.
Thrips, 1872, 127.
cerealium, 1844, 172.
(Limothrips) cerealis, 1874, 144.
Throscidæ, 1868, 92, 109.
Throscus, 1868, 112.
Thyridopteryx ephemeræformis, 1866, 41.
Thysanaura, 1874, 145.

Thysanoptera, 1874, 144.
Tilli, 1868, 97.
Tillus ambulans, 1868, 97, 112.
elongatus, 1865, 91.
Tinea, 1854, 65.
granella, 1849, 332, 333, 337.
sarcitella, 1849, 338, 341, 342.
Tineidæ, 1868, 315.
Tingides, 1875, 126.
Tingis arcuatus, 1875, 126.
juglandis, 1875, 126.
Tipula, 1875, 131.
maculosa, 1872, 128.
oleracea, 1872, 128.
tritici, 1844, 166.
Tipulariæ, 1872, 128.
Tipulidæ, 1868, 317.
Tolype laricis, 1866, 41.
Tomicus mali, 1860, 320.
Tortricidæ, 1868, 315.
Tortrix, 1875, 130.
Toxophora, 1866, 45; 1870, 79.
Trachypteris, 1868, 91.
Trachys, 1868, 92.
(Brachys) minuta, 1868, 92, 110.
Trichestes pilosicollis, 1868, 88.
tristis, 1868, 88, 103, 107, 108, 111, 112, 113.
Trichius, 1868, 108.
(Trigonopeltastes) delta, 1855, 89; 1868, 90.
Trichocera hyemalis, 1872, 128.
Trichocnemis, 1861, 613.
Trichogramma orgyiæ, 1866, 42.
Trichopterygidæ, 1868, 83.
Trictenotoma childrenii, 1861, 611.
Tricrania (Horia) sanguinipennis, 1868, 102.
Trigona, 1866, 32; 1869, 63.
Trigonopeltastes delta, 1868, 90, 108.
Trioxyx, 1866, 41.
Trochilium, 1866, 29.
tipuliformis, 1866, 41.
Trogidæ, 1868, 107.
Trogini, 1868, 86.
Trogosita (Caraboides), 1868, 83.
dubia, 1865, 91; 1868, 83, 105, 110, 111, 116; 1870, 66.
Mauritanica, 1849, 337; 1865, 91; 1868, 83, 105, 106, 110; 1870, 66.
Trogositidæ, 1868, 83, 105, 110.
Trogus exesorius, 1866, 41.
fulvus, 1861, 587.
Trox terrestris, 1868, 87.
Trypeta pomonella, 1867, 72.
Trypetidæ, 1872, 134.
Trypoxylon, 1876, 35.
Typhlociba, 1871, 85.
Typhlodromus pyri, 1872, 113.

U.

Udeopsylla robusta, 1871, 79.
Uloma, 1868, 110.
cornuta, 1868, 100.
culinaris, 1868, 100.
impressa, 1868, 100.
Uroceridæ, 1863, 276.
Utetheisa (Deiopea) bella, 1867, 72; 1870, 80.

V.

Valgus seticollis, 1868, 90.
squamiger, 1868, 90, 113.
Vanessa antiopa, 1865, 37.
Vespa, 1872, 132.
Vespidæ, 1866, 43.
Volucella inanis, 1849, 339.

X.

Xiphicera, 1862, 384.
Xylocopa, 1868, 103, 106.
Xylocoris domesticus, 1875, 127.
Xylopertha sinuata, 1865, 91.
Xylophagus, 1865, 92.
Xylopinus saperdoides, 1868, 100, 105, 112.
Xyloryctes satyrus, 1868, 89, 104, 110; 1873, 152.

Z.

Zabrus gibbus, 1855, 110; 1861, 592; 1863, 565; 1865, 88; 1868 80, 105, 110, 115, 116.
Zaitha, 1875, 134.
Zanthidia nicippe, 1855, 65, 105.
Zenoa (Sandalus) picea, 1868, 94, 105.
Zonitis (Nemognatha) atripennis, 1868, 103, 109.

NAMES OF MAMMALS.

A.

Alces Americanus, 1851, 104, 112, 116.
Antelope Americana, 1859, 542.
lanigera, 1859, 542.
Antilocarpa Americana, 1851, 105, 121; 1867, 218.
Aplocerus, 1867, 219.
Montanus, 1867, 218.
Arctomys monax, 1856, 82.
Arvicola, 1863, 270.
agrestis, 1856, 86.
Arvicola, austera, 1856, 97, 103, 105; 1857, 89, 90.
Gapperi, 1857, 88, 90.
Nuttalli, 1857, 87.
riparia, 1856, 104.
scalopsoides, 1856, 102; 1857, 95.
Arvicolinæ, 1863, 269, 271, 278, 279.
Asinus vulgaris, 1863, 182.
Zebra, 1863, 182.
Auchenia Alpaca, 1857, 67.
glama, 1857, 67.

B.

Bison Americanus, 1851, 105, 124; 1858, 240.
Blarina, 1863, 267.
Bos bison, 1858, 240.
bubalus, 1865, 95.
grunniens, 1865, 96.
urus, 1851, 125.

C.

Camelus Bactrianus, 1853, 63.
dromedarius, 1853, 62.
Canidæ, 1863, 267, 268.
Canis aureus, 1863, 450.
familiaris, 1863, 450.
lupus, 1863, 450.
Capra aegagus, 1857, 57, 61; 1863, 216.
Americanus, 1851, 105,121; 1859, 541, 542; 1863, 219.
Angoraensis, 1863, 222.
hircus, 1857, 57; 1863, 216, 220, 222.
Carnivora, 1863, 267, 286.
Castorinæ, 1863, 269.
Cavicornia, 1863, 273; 1867, 218.
Cervidæ, 1863, 273.
Cervus Canadensis, 1859, 218.
dama, 1865, 97.
leucurus, 1851, 105, 119.
Lewisii, 1851, 104, 118.
macrotis, 1851, 105, 118.
Virginianus, 1851, 105, 118, 119.
Cherioptera, 1863, 266.
Condylura cristata, 1857, 97, 101.

D.

Dipodinæ, 1863, 269, 270.

E.

Elaphus Canadensis, 1851, 104, 112, 116.
Europæus, 1851, 116.
Equus caballus, 1863, 182.
hemionus, 1865, 97.
Erethizon, 1863, 272.
dorsatus, 1857, 91; 1863, 272.
epixanthus, 1863, 272.

F.

Felidæ, 1863, 267.
Fiber, 1863, 270.
zibethicus, 1856, 105; 1864, 350.

G.

Gemys bulbivorus, 1857, 77.
bursarius, 1853, 270; 1857, 72.
pinetis, 1857, 77.
Gulo luscus, 1858, 245.

H.

Hesperomys, 1863, 270.
leucopus, 1857, 87, 89.
Nuttelli, 1857, 87.
Hircus capra, var. pillosa, 1863, 221.
Hypudæus, 1857, 89.
Hystricidæ, 1863, 269, 272.
Hystrix epixanthus, 1857, 92.

I.

Insectivora, 1863, 266.

J.

Jaculus, 1863, 270.
Labradorius, 1856, 90, 95.

L.

Leporidæ, 1863, 269, 272, 273.
Lepus Americanus, 1857, 77, 84.
aquaticus, 1857, 85.
cuniculus, 1857, 78.
palustris, 1857, 86.
sylvaticus, 1857, 77, 84.
Lutra Canadensis, 1858, 246.

M.

Mastodon Americanus, 1875, 473.
Marsupialia, 1863, 273.
Melinæ, 1858, 248.
Mephitis Americana, 1864, 355.
bicolor, 1858, 248.
mephitica, 1858, 248.
occidentalis, 1858, 248.
Muridæ, 1863, 269, 272.
Murinæ, 1863, 270.
Mus aureolus, 1857, 87.
Bairdii, 1856, 86, 92.
decumans, 1856, 109; 1863, 270.
leucopus, 1856, 90.
musculus, 1856, 109; 1863, 270.
rattus, 1856, 110; 1863, 270.
Mustela Americana, 1858, 242.
martes, 1858, 242.
Pennantii, 1858, 241.
Mustelidæ, 1863, 267, 268, 271.
Myodes, 1863, 270.

N.

Neotoma, 1863, 270.
Floridana, 1856, 109.

O.

Ovibos moschatus, 1851, 105, 121.
Ovis cycloceros, 1865, 101.
Montana, 1851, 105, 123; 1859, 541, 542; 1867, 218.
musimon, 1865, 101.
tragelaphus, 1865, 101.

P.

Potamochærus pencillatus, 1865, 101.
Procyon Hernandezii, 1858, 254.
lotor, 1858, 254
Pseudostoma bursarius, 1856, 75.
Pteromys volucella, 1856, 69.
Putoria, 1858, 241.
Cicognani, 1857, 105, 107; 1858, 244.
erminea, 1857, 107.
fusca, 1858, 244.

Putoria Noveboracensis, 1857, 104; 1858, 244.
pusilla, 1858, 245.
vison, 1857, 97, 101.

R.

Reithrodon, 1863, 270.
Rodentia, 1863, 268, 279.
Ruminantia, 1863, 273.

S.

Saccomyinæ, 1863, 269.
Scalops aquaticus, 1857, 97.
argentatus, 1857, 97.
Sciurus Carolinensis, 1856, 66.
cinereus, 1856, 62.
Hudsonius, 1856, 67.
macrourus, 1856, 55.
magnicaudatus, 1856, 55, 56.
migratorius, 1856, 55, 62, 67.
niger, 1856, 65.
rubricaudatus, 1856, 55.
Sayi, 1856, 55, 56.
Sciuridæ, 1863, 269.
Sigmodon, 1863, 270.
Sorex, 1863, 267.
blarina (brevicaudatus), 1857, 93.
brevicaudatus, 1857, 97.
Carolinensis, 1857, 93.
Cooperi, 1857, 97.
Sorex Dekayi, 1856, 103.
parvus, 1857, 97.
talpoides, 1857, 93.
Soricidæ, 1863, 266, 267.
Spermophilus Franklinii, 1856, 75, 79.
Ludovicianus, 1856, 81.
tridecemlineatus, 1853, 68; 1856, 74, 79.
Sus leucomystax, 1865, 101.

T.

Talpidæ, 1863, 266, 267.
Tamias Lysteri, 1853, 68.
quadrivittatus, 1856, 73.
striatus, 1856, 70, 74; 1857, 106.
Tarandus arcticus, 1851, 104, 105, 106.
furcifer, 1851, 109.
hastalis, 1851, 104, 108.
Taxidea Americana, 1858, 250.
Berlandieri, 1858, 250.

U.

Ursidæ, 1858, 254; 1863, 267, 268.
Ursus Americanus, 1858, 251.

V.

Vespertilionidæ, 1863, 266, 267.
Viveridæ, 1863, 267, 268.

NAMES OF PLANTS.

A.

Abelmoschus esculentus, 1859, 358.
longifolius, 1859, 358.
Abies, 1847, 520; 1860, 407; 1868, 124; 1870, 17; 1872, 165; 1875, 358.
alba, 1860, 417; 1868, 175, 188; 1875, 180, 358.
amabilis, 1860, 432; 1875, 182, 356.
balsamea, 1860, 417; 1875, 182.
bracteata, 1860, 432; 1875, 183.
Canadensis, 1854, 403; 1860, 417, 431; 1868, 185, 188, 196, 453; 1875, 181.
cedrus, 1870, 184.
concolor, 1875, 182.
Douglasii, 1860, 431; 1868, 175, 448, 579; 1875, 181, 342, 352, 356, 357.
Engelmanni, 1875, 181, 342, 356.
excelsa, 1854, 404; 1861, 636; 1868, 196.
Fraseri, 1860, 419; 1863, 468; 1875, 183.
grandis, 1860, 431; 1868, 580; 1875, 182, 356, 357.
lasiocarpa, 1860, 432.
Menziesii, 1868, 185, 186; 1875, 181, 356, 357.
Mertensiana, 1860, 431; 1868, 185, 188; 1875, 181.
monocaulis, 1859, 136.
Abies nigra, 1860, 417; 1863, 468; 1875, 181.
nobilis, 1860, 432; 1868, 580; 1875, 183.
picea, 1861, 636.
Sibirica, 1861, 636.
Sitkensis, 1860, 431; 1868, 185, 186, 188.
sub-alpina, 1875, 182.
vera, 1868, 124.
Williamsonii, 1860, 432; 1875, 181.
Abietineæ, 1868, 124.
Abronia cycloptera, 1866, 129.
fragrans, 1866, 129.
mellifera, 1866, 129.
Abrus precatorius, 1870, 14, 203.
Absinthium, 1847, 519.
Abutilon avicenna, 1865, 511; 1870, 224; 1872, 471.
esculentum, 1859, 358.
Acacia, 1869, 259; 1866, 129.
Adansonii, 1870, 186.
Arabica, 1870, 186.
catechu, 1870, 14.
dealbata, 1859, 135.
Farneseana, 1860, 234; 1875, 161.
Greggii, 1860, 434.
latisiliqua, 1860, 422.
vera, 1855, lviii; 1870, 186.
verek, 1870, 186.

Acer, 1847, 521; 1860, 435; 1868, 111, 123; 1870, 17.
campestre, 1854, 415; 1868, 197, 201; 1869, 171.
Cappadocium, 1870, 171.
circinnatum, 1860, 431; 1875, 158.
dasycarpum, 1859, 126; 1860, 419; 1868, 197; 1870, 230; 1875, 158, 344.
glabrum, 1860, 431; 1875, 158.
grandidentatum, 1860, 431; 1875, 158.
macrophyllum, 1860, 431; 1875, 158.
nigrum, 1845, 921; 1859, 126; 1860, 420; 1875, 158, 344.
Pennsylvanicum, 1860, 417; 1869, 471; 1875, 158.
platanoides, 1868, 199.
pseudo-platanus, 1857, 490; 1868, 201, 202.
rubrum, 1854, 415; 1859, 126; 1860, 417; 1864, 344; 1868, 199, 201, 203; 1870, 228, 231; 1875, 158, 342.
saccharinum, 1845, 921; 1849, 478; 1859, 126; 1860, 417; 1868, 198; 1870, 171, 412; 1873, 107; 1875, 158, 342.
spicatum, 1860, 417.
tripartium, 1860, 430.
Acerineæ, 1868, 123.
Achillea, 1847, 520.
millefolium, 1857, 490; 1859, 14; 1865, 513; 1875, 205.
rosea, 1859, 13.
Achras ballota, 1859, 337.
mammosa, 1859, 337.
sapota, 1859, 349; 1870, 14.
Achyla, 1874, 178.
Acinos, 1847, 519.
Aconitum mapellus, 1857, 266, 490; 1860, 187.
Acorus, 1847, 517.
calamus, 1860, 67; 1864, 453.
Acrocomia sclerocarpa, 1859, 320, 322.
Acrostichum furcatum, 1859, 329.
Actæa, 1847, 517.
Actinella, 1866, 129.
Actinostrobus, 1868, 124.
Adenanthera, 1857, 270.
Adenostoma sparsiflora, 1860, 433; 1875, 161.
Adesmia balsamifera, 1870, 190.
Adiantum cultratum, 1863, 375.
formosum, 1863, 376.
Adlumia cirrhosa, 1862, 158; 1868, 205.
Adolphia infesta, 1857, 241.
Adonis autumnalis, 1857, 265.
Æcidiacei, 1873, 183, 185.
Æcidium, 1849, 394; 1873, 185.
columnare, 1845, 664.
oxyacanthæ, 1873, 184.
Ægilops ovata, 1853, 126; 1867, 312.
triaristata, 1853, 126.
triticoides, 1867, 312.
Ægopodium, 1847, 575.
podagraria, 1865, 512.
Æschynomene, 1857, 269.
Æsculus, 1860, 427; 1868, 123; 1870, 17.
Californica, 1860, 432; 1870, 405; 1875, 157.
flava, 1860, 421; 1875, 157, 341.
glabra, 1860, 420; 1875, 157, 341.
Æsculus hippocastanum, 1857, 490; 1864, 347; 1868, 199, 201, 202, 203.
macrostachya, 1860, 420.
Pavia, 1860, 421; 1875, 157.
Æthusa cynapioides, 1857, 275.
Agaricus, 1849, 399.
albellus, 1859, 319.
alutaceus, 1859, 319.
amethysteus, 1859, 319.
anisatus, 1859, 319.
aquifolii, 1859, 319.
aromaticus, 1859, 319.
arvensis, 1876, 80.
attenuatus, 1859, 319.
aurantiacus, 1859, 319.
aureus, 1859, 319.
auricula, 1859, 319.
cæsarius, 1859, 319.
campestris, 1854, 365; 1859, 319; 1868, 232; 1876, 80.
castaneus, 1859, 319.
caudicinus, 1859, 319.
cortinellus, 1859, 319.
eburneus, 1859, 319.
eryngii, 1859, 319.
esculentus, 1859, 319.
frumentaceus, 1859, 319.
hæmatochelis, 1859, 319.
ilicinus, 1859, 319.
infundibuliformis, 1859, 319.
lacrymabundus, 1876, 80.
lactifluus aureus, 1859, 319.
liocephalus, 1859, 319.
mouceron, 1859, 319.
nebularis, 1859, 319.
ostreatus, 1859, 319.
ovinus, 1859, 319.
ovoideus 1859, 319.
palomet, 1859, 319.
procerus, 1859, 319.
rubescens, 1859, 319; 1876, 80.
russula, 1859, 319.
sambucinus, 1859, 319.
sapidus, 1859, 319.
solitarius, 1859, 319.
spadiceus, 1876, 80.
strobiliformis, 1876, 79.
subdulcis 1859, 319.
tigrinus, 1859, 319.
tortilis, 1859, 319.
vaginatus, 1859, 319.
violaceus, 1859, 319.
virens, 1859, 319.
virescens, 1859, 319.
virgineus, 1859, 319.
Agave, 1866, 129; 1869, 61, 260.
Americana, 1847, 411; 1855, 243; 1859, 359; 1862, 120; 1863, 108; 1869, 62; 1870, 405.
angustifolia, 1869, 258, 264.
Antillarum, 1869, 264.
gracilis, 1859, 132.
Mexicana, 1865, 95.
pulque, 1856, 254.
Sisalana, 1855, xxxiii, 242; 1856, 252.
vivipara, 1869, 264, 273.
Ageratum Mexicanum, 1857, 273.
Agrostemma, 1847, 516.
githago, 1860, 67; 1865, 510.

Agrostis, 1847, 513; 1853, 396; 1860, 236; 1864, 409, 411, 412, 425.
æquivalvis, 1868, 189.
alba, 1847, 160; 1869, 88; 1870, 19.
canina, 1847, 160; 1869, 88.
exarata, 1868, 189.
geminata, 1868, 189.
Indica, 1849, 157.
laxiflora, 1868, 189.
lobata, 1847, 160.
repens, 1847, 160.
rupestris, 1870, 218.
scabra, 1870, 218.
spicaventi, 1847, 160.
stolonifera, 1847, 160; 1869, 88; 1870, 19.
stricta, 1847, 160.
varians, 1870, 218.
vulgaris, 1847, 160; 1869, 88, 169; 1870, 226.
Ailanthus, 1861, 375, 378, 381; 1862, 293; 1868, 123; 1870, 17; 1872, 163, 500.
glandulosa, 1854, 404; 1857, 266; 1861, 376; 1868, 201.
Aira, 1847, 513; 1868, 189.
arctica, 1866, 127; 1868, 189.
Bottnica, 1868, 189.
cæspitosa, 1866, 127; 1868, 189; 1869, 88, 89; 1870, 220.
flexuosa, 1869, 88, 89; 1870, 19.
Ajuga, 1847, 517.
reptans, 1848, 607.
Akebia, 1868, 122; 1870, 16.
Alaria, 1866, 424.
esculenta, 1859, 312.
Albizzia, 1868, 123; 1870, 17.
julibrissin, 1868, 201.
Alcea, 1847, 518.
Alchenuilla, 1847, 514.
Alectoria jubata, 1870, 424.
Aleurites lacifera, 1868, 270.
Moluccana, 1859, 321.
triloba, 1868, 270; 1870, 178.
Alfonsia oleifera, 1859, 322.
Algæ, 1864, 531; 1866, 423.
Algarobia glandulosa, 1857, 241; 1860, 434; 1870, 410; 1873, 182; 1875, 283; 1876, 64.
Alhagi Maurorum, 1870, 184.
Alisma plantago, 1864, 454.
Alliaria, 1847, 518.
Allium, 1847, 515; 1865, 235.
ampeloprasum, 1859, 335.
Ascalonicum, 1854, 381; 1859, 335.
cepa, 1854, 368; 1859, 334; 1869, 213, 222, 223.
fistulosum, 1865, 242.
fragrans, 1857, 262.
latifolium, 1859, 357.
porrum, 1854, 359; 1859, 335.
sativum, 1854, 353; 1859, 334.
schœnoprasum, 1854, 349; 1868, 188.
scorodoprasum, 1859, 334.
senescens, 1857, 262.
vineale, 1865, 517.
Alnus, 1847, 520; 1868, 124; 1870, 16.
glutinosa, 1854, 405; 1857, 263; 1868, 202.
Alnus incana, 1860, 417; 1868, 177; 1875, 176.
oblongifolia, 1860, 433.
Oregona, 1860, 431; 1875, 176.
rhombifolia, 1875, 176.
rubra, 1868, 177.
serrulata, 1864, 344.
viridis, 1860, 417; 1868, 177.
Aloe Arabica, 1870, 185.
Commelini, 1870, 185.
Socotrina, 1870, 185.
spicata, 1870, 185.
vulgaris, 1870, 185.
Aloexylon agallochum, 1870, 189.
Alonsoa incisa, 1857, 272.
Alopecurus, 1847, 513; 1864, 227; 1865, 489.
Alpinus, 1868, 189.
geniculatus, 1849, 157; 1869, 88; 1870, 218.
pratensis, 1866, 365; 1869, 88, 89; 1870, 218; 1873, 408; 1875, 205.
Alpinia, 1868, 189.
Alsine, 1847, 516.
media, 1869, 136, 137.
Alstonia scholaris, 1870, 191.
Alstrœmeria aurantiaca, 1857, 262.
Caldasii, 1859, 560.
ligtu, 1863, 377.
pelegrina, 1857, 262.
Alyssum calycinum, 1863, 477.
Amanita muscaria, 1872, 116, 132.
Amarantaceæ, 1857, 267.
Amarantus albus, 1865, 517; 1874, 148.
adscendens, 1859, 357.
blitum, 1870, 224; 1874, 148.
caudatus, 1857, 267.
frumentaceus, 1859, 306, 307.
hybridus, 1865, 517.
polygonoides, 1859, 357.
prostratus, 1859, 357.
purpureus, 1874, 148.
ruber, 1874, 148.
spinosus, 1865, 517.
sylvestris, 1859, 357.
Amaryllis formosissima, 1873, 313.
Ambelamia acida, 1859, 351.
Ambrina ambrosioides, 1870, 194.
anthelmintica, 1870, 194.
Ambrosia artemisiæfolia, 1865, 513; 1870, 224.
Apsilostachya, 1870, 224.
trifida, 1865, 513.
Amelanchier alnifolius, 1875, 162.
Canadensis, 1860, 417; 1865, 292; 1868, 123, 203, 281; 1869, 171; 1870, 16, 413; 1875, 162.
Amianthemum muscætoxicum, 1872, 131.
Ammobium alatum, 1857, 274.
Ammobroma Sonora, 1870, 424.
Ammophila arundinacea, 1869, 88.
Amomum Melegueta, 1870, 14, 200.
Amorpha 1868, 123; 1870, 17.
fruticosa, 1857, 491.
Ampelopsis quinquefolia, 1868, 204; 1869, 504; 1870, 81.
Amsinckia angustifolia, 1857, 271.
Amygdaleæ, 1868, 123.
Amygdalopis, 1868, 123; 1870, 16.
Amygdalus, 1868, 123; 1870, 16.

Amygdalus agrestis, 1859, 320.
Arabica, 1859, 320.
communis, 1855, xvii; 1859, 320; 1867, 146; 1870, 176.
orientalis, 1859, 320.
Persica, 1849, 479; 1857, 490, 491; 1859, 339; 1867, 146, 311.
scoparia, 1859, 320.
Amyridaceæ, 1870, 182, 187, 188, 190.
Amyris commiphora, 1870, 186.
Floridana, 1875, 156.
Gileadensis, 1855, lvii.
Anacardiaceæ, 1857, 266; 1868, 123; 1869, 230; 1870, 17, 176, 179, 180, 188, 205; 1875, 158.
Anacardium occidentale, 1859, 321, 347; 1870, 14, 176.
Anacharis alsinastrum, 1864, 455.
Canadensis, 1865, 517.
Anagallis, 1847, 514; 1857, 271.
arvensis, 1864, 332.
Ananas, 1865, 95.
Ananassa sativa, 1867, 143.
Anchusa tinctoria, 1851, 57.
Andromeda, 1868, 123; 1870, 16.
floribunda, 1876, 63.
hypnoides, 1863, 469.
Mariana, 1865, 515.
Andropogon, 1853, 397; 1872, 36.
argenteus, 1870, 220.
furcatus, 1870, 220, 221, 226.
glaucus, 1870, 220.
Jamesii, 1856, 127.
nutans, 1865, 519.
saccharatus, 1865, 301.
schœnanthus, 1870, 14, 174.
scoparius, 1870, 220, 221, 226.
sorghum, 1854, 219; 1857, 185.
Androsace macrocarpa, 1857, 271.
Androsæmum, 1868, 123; 1870, 16.
Anemone, 1847, 517.
Caroliniana, 1862, 157.
coronaria, 1857, 265.
nemorosa, 1862, 157; 1864, 344.
Nuttalliana, 1862, 157.
thalictroides, 1862, 157; 1864, 344.
Anethum fœniculum, 1854, 353.
graveolens, 1854, 352; 1870, 179, 405.
Angelica, 1847, 515.
archangelica, 1857, 275.
Angiospermæ, 1868, 122.
Angræcum fragrans, 1870, 193.
Anona, 1875, 154.
Asiatica, 1859, 350.
cinera, 1859, 351.
cherimolia, 1859, 350; 1867, 144; 1870, 14.
laurifolia, 1860, 423.
longifolia, 1859, 351.
mucosa, 1859, 351.
muricata, 1859, 350; 1867, 144.
paludosa, 1859, 350.
palustris, 1859, 351; 1867, 144.
punctata, 1859, 351.
reticulata, 1859, 350; 1867, 143.
Senegalensis, 1859, 350, 343.
squamosa, 1859, 350; 1867, 144.
tripetala, 1859, 351.
Anonaceæ, 1875, 154.
Antennaria, 1873, 204.
tenuis, 1874, 175.
Anthemideæ, 1861, 226.
Anthemis, 1847, 520.
cotula, 1857, 491; 1861, 224.
nobilis, 1854, 347; 1860, 67.
pyrethrum, 1861, 226.
Anthericum, 1847, 515.
Anthistiria Australis, 1874, 439.
ciliata, 1874, 439.
Anthoxanthum, 1847, 513.
odoratum, 1847, 159; 1849, 374, 375; 1854, xxv, 392; 1866, 365; 1869, 88, 89.
Anthyllis, 1847, 518.
vulneraria, 1868, 88, 91.
Antirrhinum calycinum, 1857, 272.
majus, 1857, 272.
Aparine, 1847, 514.
Apetalæ, 1868, 124.
Apios tuberosa, 1870, 405.
Apium, 1847, 515.
graveolens, 1854, xix, 346, 347; 1859, 328.
Aplectrum hyemale, 1870, 190.
Apocynaceæ, 1870, 191, 198.
Apocynum cannabinum, 1859, 388.
Indicum, 1859, 359.
Aquifoliaceæ, 1857, 270; 1868, 124; 1870, 17, 193, 197.
Aquilareaceæ, 1870, 189.
Aquilaria agallocha, 1870, 189.
Aquilegia, 1847, 517; 1870, 123.
cærulea, 1866, 127, 128.
Canadensis, 1862, 157; 1866, 128.
leptoceros, 1866, 128.
Sibirica, 1857, 265.
vulgaris, 1866, 127.
Arabis, 1847, 518.
hirsuta, 1857, 264.
lucida, 1857, 264.
Araceæ, 1866, 418.
Arachis, 1860, 474; 1870, 92.
hypogæa, 1855, 259; 1859, 318; 1865, 95; 1870, 176.
subterranea (hypogæa?), 1847, 411.
Aralia, 1868, 123; 1870, 17.
nudicaulis, 1867, 471.
papyrifera, 1860, 139; 1869, 17.
spinosa, 1869, 171; 1875, 164.
trifolia, 1867, 308.
Araliaceæ, 1868, 123; 1870, 17; 1875, 164.
Araucaria, 1868, 124; 1870, 17, 110.
Bidwellii, 1875, lx.
Brasiliensis, 1859, 129, 135.
excelsa, 1859, 129.
imbricata, 1859, 135, 323.
Arbutus, 1868, 123; 1870, 16.
andrachne, 1859, 135.
Menziesii, 1860, 431; 1870, 413; 1875, 165, 358.
Texana, 1875, 165.
unedo, 1859, 132, 136, 347; 1861, 60, 636.
uva-ursi, 1864, 344.
Archangelica, 1868, 175.
Gmelini, 1868, 187.
officinalis, 1868, 187.
Archemara rigida, 1865, 512.

Arctagrostis latifolia, 1868, 189.
Arctium, 1847, 519.
lappa, 1857, 274.
Arctostaphylos, 1868, 123.
Alpina, 1868, 188.
glauca, 1860, 432; 1875, 165.
pungens, 1875, 165.
tomentosa, 1860, 432; 1870, 413; 1875, 165.
uva-ursi, 1868, 188; 1870, 16, 413.
Arctotis, 1857, 274.
Ardisia Pickeringii, 1860, 422; 1875, 167.
Arduina edulis, 1859, 337.
Areca catechu, 1870, 197, 202.
glandiformis, 1859, 352.
humilis, 1859, 352.
oleracea, 1859, 352.
sapida, 1859, 352.
Arenaria, 1847, 516.
peploides, 1859, 359.
Arenga saccharifera, 1859, 313, 343.
Argemone alba, 1857, 266.
grandiflora, 1857, 266.
Mexicana, 1865, 510; 1870, 181.
Arisæma triphyllum, 1860, 501.
Aristida dichotoma, 1870, 218, 224.
gracilis, 1870, 218.
obligantha, 1870, 218.
purpurascens, 1870, 218.
Aristolochia, 1868, 124.
clematitis, 1861, 224.
sipho, 1868, 204.
Aristolochiaceæ, 1868, 124.
Armeniaca vulgaris, 1859, 340.
Armillaria mellcus, 1876, 79.
Arnica montana, 1848, 606.
Arnopogon Dalechampii, 1857, 274.
Aroideæ, 1860, 471.
Arracacha esculenta, 1859, 328.
Arrhenatherum avenaceum, 1869, 88, 89.
Artemisia, 1847, 519; 1860, 500; 1866, 129; 1868, 123; 1870, 17, 559.
absinthium, 1854, 389; 1859, 299.
dranunculus, 1854, 384.
tridentata, 1860, 430; 1864, 361.
Artocarpaceæ, 1870, 191, 198.
Artocarpeæ, 1868, 124.
Artocarpus incisa, 1859, 301, 315.
integrifolia, 1859, 315.
Artotrogus, 1874, 178.
hydnosporus, 1845, 238; 1873, 194, 196.
Arum colocasia, 1859, 310.
esculentum, 1859, 301, 308, 310.
maculatum, 1845, 575; 1859, 308.
triphyllum, 1858, 252.
Arundinaria gigantea, 1868, 260.
macrosperma, 1860, 421.
Arundo, 1847, 513.
alopecurus, 1843, 106.
arenaria, 1854, xxvi, 315, 409.
phragmites, 1860, 63, 139; 1870, 423.
tecta, 1856, 156.
Asclepiadaceæ, 1857, 270; 1862, 161; 1868, 124; 1870, 17, 191; 1872, 168.
Asclepias, 1861, 604; 1862, 113; 1864, 410, 412; 1869, 61; 1870, 14; 1875, 121, 122.
cornuti, 1859, 388; 1862, 161; 1868, 281.
curassavica, 1870, 14.
gigantea, 1863, 109.
Michauxii, 1862, 161.
nivea, 1862, 161.
purpurascens, 1862, 161.
rubra, 1862, 161.
Syriaca, 1859, 388.
tenacissima, 1863, 109.
tuberosa, 1862, 161; 1866, 129; 1868, 281; 1870, 405.
variegata, 1862, 161.
verticillata, 1857, 270.
Ascophora mucedo, 1865, 519.
Asimina, 1860, 427; 1868, 122; 1870, 16.
triloba, 1860, 419; 1875, 154, 342.
Aspalathus, 1857, 268.
Asparagus officinalis, 1854, 334; 1857, 263; 1859, 358.
Aspergillus, 1849, 396, 398, 399.
Aster, 1847, 520; 1869, 129.
adscendens, 1866, 127.
ericoides, 1865, 512.
glacialis, 1866, 127.
integrifolius, 1866, 127.
Peruvianus, 1859, 311.
tenella, 1857, 273.
Asterophora, 1845, 328.
Astragalus, 1874, 159.
Bæticus, 1870, 183, 197.
gummifer, 1870, 183.
Hornii, 1874, 159.
lentiginosus, 1874, 159.
Athanasia, 1857, 274.
Atriplex, 1847, 521; 1854, 369.
hortensis, 1854, 369; 1859, 357.
Atripliceæ, 1859, 357.
Atropis angustata, 1868, 188.
maritima, 1868, 188.
Attalea cohune, 1870, 177.
compta, 1859, 320.
Aucuba, 1870, 129.
Aurantiaceæ, 1870, 180, 181, 185.
Avena fatua, 1870, 420.
flavescens, 1847, 160; 1854, 392; 1869, 88, 89.
orientalis, 1859, 302.
pubescens, 1847, 160, 246.
sativa, 1857, 262; 1864, 312; 1867, 312.
striata, 1870, 219.
Avicennia oblongifolia, 1875, 167.
resinifera, 1859, 329.
tomentosa, 1860, 423; 1875, 167.
Azalea, 1868, 123; 1870, 16; 1871, 413.
calendulacea, 1867, 306.
Pontica, 1867, 298, 306.

B.

Baccharideæ, 1868, 123.
Baccharis, 1868, 123; 1870, 17.
Bacterium bacteria, 1872, 194, 201.
termo, 1876, 187.
Balanites Ægyptiaca, 1859, 344.

Ballota, 1847, 517.
Balsamia hortensis, 1857, 266.
Balsamifluæ, 1868, 123.
Balsaminaceæ, 1857, 266.
Balsamodendron mukul, 1870, 188.
myrrha, 1870, 188.
pubescens, 1870, 188.
Balsamorrhiza helianthoides, 1870, 406.
incana, 1870, 406.
Bambusa arundinacea, 1866, 419.
Baptisia, 1844, 331; 1868, 111.
tinctoria, 1873, 260.
Barbarea, 1847, 518.
Bartonia aurea, 1857, 275.
Bassella alba, 1859, 357.
tuberosa, 1859, 357.
Bassia butyraceæ, 1870, 177.
latifolia, 1870, 177.
longifolia, 1870, 177.
Parkii, 1870, 177.
Batatas edulis, 1853, 169; 1854, 374; 1874, 148; 1859, 309.
Virginiana, 1853, 169.
Bauhinia esculenta, 1859, 328.
lingua, 1859, 359.
racemosa, 1859, 359.
Beccabunga, 1847, 513.
Beckmannia crucæformis, 1870, 219.
Benincasa cerifera, 1870, 205.
Benthamia, 1868, 123; 1870, 17.
Berberidaceæ, 1857, 266; 1868, 123; 1870, 16.
Berberideæ, 1857, 240.
Berberis, 1847, 515; 1868, 123; 1870, 16.
aquifolium, 1869, 181; 1870, 413.
Canadensis, 1857, 240; 1871, 349.
Fendleri, 1857, 240; 1866, 129.
Fremontii, 1869, 434; 1866, 129.
repens, 1866, 129.
trifoliatus, 1866, 129.
vulgaris, 1854, 407; 1857, 490; 1868, 197, 202; 1871, 349.
Berchemia, 1868, 123; 1870, 17.
Bergera Konigi, 1870, 180.
Bertholletia excelsa, 1859, 322; 1867, 147; 1870, 14, 179.
Beta altissima, 1860, 76; 1867, 306.
cicla, 1867, 305.
hybrida, 1867, 306.
maritima, 1867, 306.
vulgaris, 1854, 339; 1857, 267; 1859, 327; 1867, 305, 311.
Betonica, 1847, 517.
hirsuta, 1857, 272.
Betula, 1847, 520; 1868, 106, 124; 1870, 16.
alba, 1854, 407; 1857, 263, 490; 1868, 201, 202.
alba, var. populifolia, 1875, 176.
excelsa, 1860, 417.
glandulosa, 1860, 431; 1868, 176; 1875, 358.
lenta, 1860, 417; 1875, 176.
lutea, 1875, 176.
nana, 1868, 177; 1870, 205.
nigra, 1860, 417; 1875, 176.
occidentalis, 1860, 431; 1875, 176, 342.
papyracea, 1860, 417; 1875, 176, 432.
populifolia, 1860, 417.
pumila, 1875, 342.
Betulaceæ, 1857, 263; 1868, 124; 1870, 16; 1875, 176.
Bidens, 1847, 519.
bipinnata, 1865, 513; 1868, 281.
chrysanthemoides, 1865, 513.
diversifolia, 1857, 273.
frondosa, 1865, 513.
Bignonia, 1868, 124; 1870, 17.
capreolata, 1868, 203.
catalpa, 1857, 490.
Bignoniaceæ, 1875, 167.
Biotia, 1868, 124; 1869, 174; 1870, 17.
Chinensis, 1860, 32.
Biscutella erigerifolia, 1857, 264.
Bixa orellana, 1870, 14.
Blighia sapida, 1859, 315.
Blitum capitatum, 1859, 357.
virgatum, 1859, 357.
Bœhmeria, 1865, 351.
candicans, 1867, 220, 225.
cordata, 1865, 349.
nivea, 1855, 244, 245, 247; 1860, 139; 1863, 108; 1865, 34, 347; 1867, 221, 225; 1869, 11, 60; 1870, 14, 21, 169.
puya, 1865, 347.
tenacissima, 1855, xxxiii; 1860, 473; 1865, 347; 1867, 220, 221, 222, 225, 426; 1869, 60.
utilis, 1867, 225.
Boerhavia erecta, 1859, 357.
Boleti, 1868, 100, 106.
Boletus æreus, 1859, 319.
aurantiacus, 1859, 319.
bovinus, 1876, 80.
carinthiacus, 1859, 319.
castaneus, 1876, 80.
collinitus, 1876, 80.
elegans, 1876, 80.
edulis, 1859, 319; 1876, 80.
flavidus, 1876, 80.
granulatus, 1876, 80.
hepatica, 1859, 319.
luteus, 1876, 80.
moschocaryanus, 1859, 319; 1876, 80.
saguarius, 1859, 319; 1876, 80.
scaber, 1859, 319; 1876, 80.
subtomentosus, 1876, 80.
tuberaster, 1844, 267.
versipellis, 1876, 80.
Bombax ceiba, 1859, 322, 359.
Malabaricum, 1859, 315.
septenatum, 1859, 359.
Boraginaceæ, 1857, 271; 1875, 167.
Borago officinalis, 1854, 340; 1859, 355; 1860, 123; 1864, 308.
Borassus flabelliformis, 1859, 313.
Borkhausia fœtida, 1857, 274.
rubra, 1857, 274.
Boswellia serrata, 1865, lvi; 1870, 187.
Botrytis, 1845, 240, 654.
bassiana, 1865, 328, 329, 546; 1866, 36.
destructor, 1845, 237.
infestans, 1845, 237, 238; 1847, 150; 1849, 396, 398; 1865, 329, 546; 1868, 231; 1871, 112; 1872, 198, 203; 1873, 186.

Botrytis parasitica, 1849, 398.
viticola, 1865, 332; 1871, 110, 111.
Bouteloua curtipendula, 1870, 218, 223.
eripoda, 1870, 218.
hirsuta, 1866, 127; 1870, 218, 220, 223.
oligostachya, 1866, 127; 1870, 218, 220, 223.
Brahea dulcis, 1860, 434.
edulis, 1875, 185.
filamentosa, 1875, 186.
Brasenia peltata, 1864, 461.
Brassica, 1847, 518; 1858, 333.
arvensis, 1844, 394.
Balearica, 1859, 352.
campestris, 1845, 400; 1854, xxv; 1859, 325, 327; 1864, 307; 1867, 312, 314.
carinata, 1859, 353.
caulorapa, 1854, 357.
Chinensis, 1847, 193.
Cretica, 1859, 353.
eruca, 1854, 515.
insularis, 1859, 353.
napus, 1854, 349; 1857, 264; 1867, 314; 1870, 181.
oleracea, 1854, 340, 341, 346; 1857, 264; 1859, 352; 1860, 76; 1862, 229; 1867, 298, 314.
oleifera, 1860, 76.
rapa, 1854, 386; 1857, 264; 1859, 325, 327; 1860, 76; 1864, 301; 1867, 314.
sinapistrum, 1869, 503.
Briza, 1847, 513.
Brizopyrum spicatum, 1866, 127; 1870, 219.
Bromelia, 1869, 259; 1870, 14.
ananas, 1859, 331.
karatas, 1865, 95; 1869, 263, 266.
pinguin, 1869, 266.
sylvestris, 1863, 109; 1869, 61.
Bromus, 1847, 513; 1859, 308; 1860, 235.
Aleutensis, 1868, 188.
ciliatus, 1866, 128; 1868, 188; 1870, 220.
Kalmii, 1870, 220, 224, 226.
mollis, 1869, 88.
pinnatus, 1869, 88.
pratensis, 1854, 392; 1869, 88, 89; 1870, 19.
Schraderi, 1872, 418; 1873, 236; 1874, 158.
secalinus, 1865, 519; 1867, 312; 1868, 89; 1869, 88, 504.
Sitkensis, 1868, 188.
subulatus, 1868, 188.
sylvaticus, 1849, 395.
unioloides, 1869, 88, 89; 1874, 159.
Brosimum galactodendron, 1870, 198.
Broussonetia, 1868, 124; 1870, 17.
papyrifera, 1865, 95.
Browallia elata, 1857, 272.
Brunella, 1847, 517.
Brunnichia, 1868, 124.
Bryonia, 1847, 520.
alba, 1859, 308.
dioica, 1857, 264; 1859, 308.
Bubon galbanum, 1870, 186.
Buchanania latifolia, 1870, 179.
Buchloe, 1860, 237.
Buchloe dactyloides, 1870, 220, 222.
Buckleya, 1868, 124.
Buddlea, 1868, 124; 1870, 17.
Buffonia annua, 1857, 267.
Bumelia, 1860, 427; 1868, 124.
lanuginosa, 1860, 421; 1875, 167.
lycioides, 1860, 421; 1875, 167.
mastichodendrum, 1860, 423.
Parrifolia, 1875, 167.
reclinata, 1860, 454; 1875, 167.
tenax, 1860, 421; 1875, 167.
Bunias, 1847, 518.
erucago, 1859, 354.
orientalis, 1857, 264.
spinosa, 1859, 354.
Bupleurum, 1868, 123.
rotundifolium, 1857, 275.
Bupthalmum, 1847, 520.
cordifolium, 1857, 273.
Bursera acuminata, 1870, 187.
gummifera, 1854, 407; 1860, 423; 1875, 156.
Burseraceæ, 1875, 156.
Butea frondosa, 1870, 185.
Butomus umbellatus, 1859, 308; 1860, 96.
Buxus, 1868, 124; 1870, 17.
sempervirens, 1855, xlviii.
Byrsonima spicata, 1859, 351.
Byssus cærulea, 1860, 93.
Byttneriaceæ, 1870, 194.

C.

Cactaceæ, 1859, 333; 1866, 129; 1875, 163.
Cactus, 1859, 135; 1863, 371.
cochinillifer, 1855, xxxiii.
divaricatus, 1859, 333.
opuntia, 1859, 117, 333; 1860, 33; 1871, 114.
paniculatus, 1859, 333.
Peruvianus, 1859, 333.
pitajaya, 1847, 411; 1859, 333.
triangularis, 1859, 333.
Cacti, 1875, 357.
Cæsalpina, 1857, 269; 1868, 123; 1870, 186.
Caladium, 1859, 132; 1860, 34, 471.
esculentum, 1854, 383.
Calamagrostis Aleutica, 1868, 189.
Canadensis, 1868, 177, 189; 1870, 218.
coarctata, 1866, 127.
gigantea, 1870, 218.
Langsdorfii, 1868, 189.
Lapponica, 1868, 189.
longifolia, 1870, 218, 220.
neglecta, 1868, 189.
purpurascens, 1868, 189.
stricta, 1870, 218.
strigosa, 1868, 189.
sylvatica, 1866, 127; 1870, 218.
Calampelis scaber, 1868, 206.
Calamus, 1849, 293.
zalacca, 1859, 343.
Calandrinia grandifolia, 1857, 267.
speciosa, 1857, 267.
Calendula maritima, 1857, 274.
pluvialis, 1857, 274.
Calla, 1876, 62.
Æthiopica, 1864, 453.

Calla palustris, 1859, 308.
Callicarpa, 1868, 124; 1870, 17.
Callichroa platyglossa, 1857, 273.
Calliopsis, 1866, 129.
tinctoria, 1857, 273.
Callirrhoe pedata, 1870, 406.
Callistemma hortense, 1857, 273.
Callitriche autumnalis, 1864, 455.
verna, 1864, 455.
Callitris, 1868, 124.
quadrivalvis, 1870, 187.
Calochortus luteus, 1870, 406.
Calophyllum inophyllum, 1870, 175.
Calotropis gigantea, 1854, 174; 1870, 191.
Caltha, 1847, 517; 1862, 157; 1876, 62.
edulis, 1870, 194.
palustris, 1864, 344.
Calycanthaceæ, 1868, 123.
Calycanthus, 1868, 123.
Calcocarpum, 1868, 123; 1870, 16.
Calystegia pubescens, 1864, 205.
Camassia esculenta, 1857, 262; 1862, 162; 1870, 408.
Cambogia gutta, 1859, 339.
Camelina sativa, 1845, 314; 1851, 51; 1854, xxv; 1859, 325; 1863, 116; 1865, 510; 1870, 181.
Camellia alba var. plena, 1863, 369.
Japonica, 1863, 368.
theifera, 1860, 448.
Camelliaceæ, 1868, 123; 1870, 17; 1871, 92.
Campanula, 1847, 514.
Americana, 1862, 159.
medium, 1857, 272.
rapunculus, 1859, 329.
rotundifolia, 1862, 159.
Campanulaceæ, 1857, 272.
Camphora, 1870, 129.
Canarium commune, 1859, 322; 1870, 190.
strictum, 1870, 190.
Canellaceæ, 1875, 155.
Canella alba, 1875, 155.
Cannabinaceæ, 1857, 263.
Cannabis sativa, 1857, 263; 1859, 325; 1867, 297; 1870, 187; 1874, 148.
Cantharellus cibarius, 1859, 319; 1876, 80.
Capparidaceæ, 1857, 264; 1870, 202; 1875, 154.
Capparis herbacea, 1859, 359.
Jamaicensis, 1875, 154.
rupestris, 1859, 359.
sodada, 1870, 202.
spinosa, 1854, 225, 409; 1855, 286; 1859, 359; 1870, 202.
Caprifoliaceæ, 1868, 123; 1870, 16; 1875, 164.
Capsella bursa-pastoris, 1865, 510.
Capsicum, 1857, 270; 1868, 113.
annuum, 1854, 372.
frutescens, 1870, 201.
Caragana, 1868, 123; 1870, 17.
Cardamine, 1847, 518; 1859, 356.
amara, 1859, 356.
nasturtioides, 1859, 356.
pratensis, 1859, 356.
Cardiaca, 1847, 517.
Cardia bullata, 1875, 167.
Cardiospermum halicacabum, 1868, 206.
Carduus, 1847, 519.
Carex, 1847, 520.
Carex acuta, 1864, 344.
Gayana, 1870, 224.
stricta, 1865, 518.
tentaculata, 1865, 518.
trifida, 1855, xxxiii.
varia, 1864, 344.
Carica papaya, 1859, 331; 1867, 143.
Carissa carandas, 1859, 337.
Carlina, 1847, 519.
Carolinea princeps, 1859, 315.
Carpinus, 1847, 520; 1868, 124; 1870, 16.
Americana, 1854, 414; 1875, 175, 342.
betulus, 1854, 413; 1857, 263; 1868, 197; 1869, 171.
ostrya, 1860, 501.
Carthamus tinctorius, 1857, 274.
Carum carui, 1854, 344; 1857, 275; 1870, 202.
Carya, 1868, 124; 1870, 16.
alba, 1849, 478; 1860, 419; 1870, 411; 1875, 172, 342.
amara, 1860, 419; 1867, 74; 1875, 172, 342.
aquatica, 1875, 172.
glabra, 1860, 419.
olivæ-formis, 1856, 450; 1859, 321; 1860, 422; 1867, 147; 1870, 411; 1875, 172.
microcarpa, 1860, 421; 1875, 172.
myristicæformis, 1860, 421; 1875, 172.
porcina, 1875, 172, 342.
sulcata, 1860, 420; 1875, 172.
tomentosa, 1860, 419; 1875, 172, 342.
Caryocar amygdaliferum, 1859, 322.
butyrosum, 1859, 322.
glabrum, 1859, 322.
nuciferum, 1859, 322.
tomentosum, 1859, 322.
Caryophyllaceæ, 1857, 267; 1876, 81.
Caryophyllus aromaticus, 1870, 177, 199.
Caryota urens, 1859, 313, 352.
Cassia, 1857, 269; 1866, 129.
chamæcrista, 1870, 273.
esculenta, 1859, 359.
fistula, 1859, 333.
lanceolata, 1855, lix.
senna, 1855, lix, lx.
sophora, 1859, 359.
Cassandra, 1868, 125; 1870, 16.
calyculata, 1864, 348.
Cassiope, 1868, 123; 1870, 16.
Castanea, 1868, 124; 1870, 16.
Americana, 1860, 419.
argentea, 1859, 314.
chrysophylla, 1860, 432.
pumila, 1854, 410; 1860, 421; 1868, 281; 1875, 175.
tungurut, 1859, 314.
vesca, 1849, 478; 1855, xlviii; 1856, 450; 1859, 313, 314; 1868, 107, 200, 201, 202; 1875, 175.
Castanopsis chrysophylla, 1875, 175,
chrysophylla, var. pumila, 1875, 175.
Castanospermum australe, 1859, 315.
Castela Nicholsoni, 1857, 239.
Castilleja coccinea, 1862, 160.

Castilloa elastica 1870, 191; 1876, 64.
Catabrosa algida, 1868, 188.
aquatica, 1868, 188.
Catalpa, 1860, 427; 1868, 124; 1870, 17; 1872, 500.
bignonioides, 1860, 420; 1868, 200, 203; 1875, 167.
cordifolia, 1857, 272.
Catananche cærulea, 1857, 274.
Cavanillesia platanifolia, 1859, 321.
Ceanothus, 1857, 241; 1868, 123; 1870, 17.
Americanus, 1863, 517; 1870, 197; 1875, 342.
divaricatus, 1875, 157.
ovalis, 1875, 342.
thyrsiflorus, 1860, 433; 1875, 157.
Cedrela odorata, 1861, 224.
Cedrus, 1868, 124; 1870, 17.
deodora, 1855, lxi.
Nutkaensis, 1868, 186.
Celastraceæ, 1857, 240; 1868, 123; 1870, 16, 194; 1875, 157.
Celastrus, 1868, 123; 1870, 16.
scandens, 1856, 59; 1868, 204; 1870, 422.
Celtis, 1860, 427; 1868, 124; 1870, 17.
australis, 1859, 343.
cinerea, 1857, 243.
integrifolia, 1860, 422.
Mississippiensis, 1860, 421; 1875, 171.
occidentalis, 1850, 419; 1875, 171, 342.
pallida, 1875, 171, 342.
reticulata, 1860, 430; 1875, 171.
Cenchrus tribuloides, 1865, 519; 1870, 220.
Centaurea, 1847, 520.
cyanus, 1860, 67; 1865, 514.
depressa, 1857, 274.
Centaurium, 1847, 514.
Cephalanthus, 1868, 123; 1870, 16.
occidentalis, 1875, 342.
occidentalis, var. Californica, 1875, 165.
Cephalotaxus, 1868, 124; 1870, 17.
Ceradia furcata, 1870, 188.
Ceramiaceæ, 1866, 424.
Ceranthera linearifolia, 1852, 160.
Cerastium, 1847, 516.
Cerasus, 1868, 107.
capolin, 1859, 351.
Caroliniana, 1854, 402; 1859, 136, 1860, 421.
communis, 1850, 64.
demissa, 1860, 431.
ilicifolia, 1860, 433.
mahaleb, 1849, 165.
mollis, 1860, 430.
multiflora, 1866, 129.
obovata, 1864, 344.
Pennsylvanica, 1860, 417.
prostrata, 1866, 129.
pumila, 1866, 129.
serotina, 1860, 417.
Virginiana, 1859, 351; 1860, 417; 1866, 129; 1870, 414.
Ceratiola, 1868, 124.
Ceratochloa grandiflora, 1870, 219, 226.
Ceratonia siliqua, 1854, xxvii; 1859, 19, 100, 118, 332; 1860, 32; 1864, 528; 1876, 287.
Cercidium floridum, 1860, 434; 1875, 160.
Cercis, 1868, 123; 1870, 17.
Canadensis, 1853, 98; 1857, 269; 1860, 420; 1868, 203, 281; 1869 171; 1875, 160.
occidentalis, 1860, 432; 1875, 160.
siliquastrum, 1868, 201.
Cercocarpis ledifolius, 1875, 161, 356.
parvifolius, 1875, 161.
Cerenthe major, 1857, 271.
Cereus giganteus, 1859, 333; 1860, 434; 1866, 129; 1870, 416, 417, 421; 1875, 163.
Thurberi, 1859, 333; 1860, 434; 1870, 416, 417; 1875, 163.
Ceroxylon andicola, 1870, 204.
Cervantesia tomentosa, 1859, 321.
Cetraria islandica, 1855, xxiv; 1859, 312; 1866, 430.
Chærophyllum, 1847, 515.
bulbosum, 1859, 360; 1864, 500.
sativum, 1854, 348.
Chamærops, 1860, 474.
humilis, 1859, 129.
palmetto, 1859, 352; 1860, 421.
serrulata, 1861, 403.
thrinax, 1869, 267.
Chara, 1869, 102.
Cæsaris, 1859, 354.
Chavica betel, 1870, 198, 202.
Roxburghii, 1870, 202.
Cheilanthes lentigera, 1859, 132.
Cheiranthus, 1857, 264.
Chelidonium, 1847, 517.
Chelone, 1862, 160.
glabra, 1862, 160.
Lyonii, 1862, 160.
Chenopodiaceæ, 1857, 267; 1859, 357; 1870, 194.
Chenopodium, 1847, 514.
album, 1859, 357; 1865, 517; 1870, 420.
Bonus-Henricus, 1859, 357.
botrys, 1857, 267.
hybridum, 1859, 357.
quinoa, 1854, xiii; 1857, 267; 1859, 306, 307.
rubrum, 1859, 357.
viride, 1859, 357,
Chilopsis linearis, 1860, 434; 1875, 167.
Chimocarpus pentaphyllus, 1859, 357.
Chimonanthus, 1868, 123; 1870, 16.
Virginica, 1869, 171.
Chiogenes, 1868, 123; 1870, 16.
Chionanthus, 1860, 427; 1868, 124; 1870, 17.
Virginica, 1860, 420; 1868, 203; 1875, 168.
Chloris alba, 1870, 219.
verticillata, 1870, 219.
Chlorospermeæ, 1866, 424.
Chondrilla juncea, 1870, 187.
Chondrosium, 1853, 397.
Chondrus crispus, 1860, 68; 1866, 423, 424, 426, 427.
mamellosus, 1866, 424, 426.
plicatus, 1860, 68.
Chrysanthemum, 1847, 520; 1861, 226; 1868, 112.
coronarium, 1857, 273.

Chrysanthemum leucanthemum, 1849, 375; 1859, 129.
segetum, 1865, 513.
Chryseis crocea, 1857, 266.
Chrysobalanus ellipticus, 1859, 343.
icaco, 1859, 349; 1860, 422.
Chrysophyllum cainito, 1870, 14.
microphyllum, 1875, 166.
Chrysoplenium, 1847, 515.
Cicca disticha, 1859, 337.
racemosa, 1859, 337.
Cicer, 1847, 519.
arietinum, 1854, xvi; 1859, 317; 1876, 287.
Cichoraceæ, 1859, 357.
Cichorium, 1847, 519.
cosnia, 1859, 354.
endivia, 1854, 352; 1857, 274; 1859, 353.
intybus, 1847, 193; 1854, 348; 1859, 353, 354; 1865, 514; 1871, 108.
Cicoia Guyanensis, 1859, 322.
Cicuta, 1847, 575.
maculata, 1865, 512.
Cimicifuga, 1862, 157.
Cinchona, 1866, 454, 461; 1870, 14; 1871, 103; 1872, 171; 1876, 65.
Bonplandiana, 1872, 170.
calisaya, 1866, 457, 463, 465, 466; 1870, 615; 1872, 169.
condamina, 1866, 468; 1872, 169.
crespilla, 1872, 170.
lancifolia, 1866, 468; 1872, 169.
micrantha, 1866, 458, 465, 466; 1872, 169, 170.
nitida, 1866, 466.
officinalis, 1866, 465, 471; 1872, 170.
ovata, 1866, 458.
pahudiana, 1866, 462, 465.
Peruviana, 1872, 170.
succirubra, 1866, 456, 463, 465, 466, 467, 468; 1872, 169, 170; 1876, 65.
Cinchonaceæ, 1864, 461.
Cinchoneæ, 1868, 123; 1870, 184, 205.
Cinna arundinacæ, 1870, 218.
latifolia, 1868, 189.
Cinnamomum cassia, 1870, 177, 199.
verum, 1870, 14.
Zeylanicum, 1870, 177, 199.
Circæa, 1847, 513.
Cirsium arvense, 1865, 514; 1867, 308; 1869, 504.
eriophorum, 1851, 655.
horridulum, 1865, 514.
lanceolatum, 1865, 514.
Cissus, 1861, 486.
crenata, 1859, 359.
discolor, 1863, 375.
latifolia, 1859, 359.
quadrangularis, 1859, 359.
rotundifolia, 1859, 359.
ternata, 1859, 359.
Cistaceæ, 1870, 186.
Cistus, 1847, 517.
Creticus, 1870, 186.
Citharexylum villosum, 1875, 167.
Citrus, 1867, 140.
Citrus aurantium, 1858, 266; 1859, 338; 1860, 66; 1867, 141, 301.
bergamia, 1870, 181.
bigaradia, 1859, 338.
Chilensis, 1859, 338.
decumana, 1859, 338; 1867, 142.
Japonica, 1859, 338.
Javanica, 1859, 338.
limetta, 1859, 338; 1867, 142, 301.
limonum, 1860, 64; 1867, 301.
medica, 1859, 337; 1867, 142, 301; 1870, 181.
nobilis, 1859, 338; 1860, 475.
sinensis, 1859, 338.
vulgaris, 1859, 338.
Cladanthus Arabicus, 1857, 273.
Cladosporium herbarum, 1849, 393; 1872, 177.
Cladrastis, 1860, 427; 1868, 123; 1870, 17.
tinctoria, 1860, 420; 1868, 199, 201, 203; 1869, 182; 1875, 159.
Clarkia elegans, 1857, 274.
Clavaria amethystea, 1859, 319.
aurea, 1876, 80.
botrytis, 1859, 319.
cinerea, 1859, 319.
coralloides, 1859, 319.
cristata, 1876, 80.
fastigiata, 1876, 80.
flava, 1859, 319.
formosa, 1859, 319.
muscoides, 1859, 319.
macropus, 1859, 319.
pyxidata, 1859, 319.
(Ramaria), 1859, 319.
rubella, 1859, 319.
siliginea, 1876, 80.
subtilis, 1876, 80.
Claytonia, 1862, 158.
Clematis, 1868, 107, 205.
Drummondii, 1866, 128.
erecta, 1857, 265.
lasiantha, 1866, 128.
ligustifolia, 1866, 128.
Pitcheri, 1866, 128.
viorna, 1866, 128.
viticella, 1857, 490.
Cleome cuneifolia, 1859, 359.
integrifolia, 1866, 129.
Sonoræ, 1866, 129.
spinosa, 1857, 264.
Clethra, 1866, 123; 1870, 16.
alnifolia, 1876, 63.
Cliftonia ligustrina, 1860, 422; 1875, 166.
Clinopodium, 1847, 517.
Clintonia borealis, 1864, 344.
Clitocybe cespitosus, 1876, 79.
giganteus, 1876, 79.
nebularis, 1876, 79.
odorus, 1876, 79.
Clitopilus Prunulus, 1876, 79.
Clitoria, 1857, 269.
Clusia alba, 1870, 187.
duca, 1870, 187.
flava, 1870, 14, 187; 1875, 155.
galactodendron, 1870, 198.
insignis, 1870, 186.
rosea, 1870, 187.
Clusiaceæ, 1870, 175, 182, 187, 198.
Clymenum, 1847, 518.

Cobæa scandens, 1857, 271; 1868, 205.
Coccoloba Floridana, 1860, 423; 1875, 169.
uvifera, 1860, 422; 1875, 169.
Cocculus, 1868, 123; 1870, 16.
Carolinus, 1868, 205.
Indicus, 1864, 561.
Cochlearia, 1847, 518.
armoracia, 1854, 354; 1859, 327.
Danica, 1859, 356.
fenestrata, 1868, 187.
officinalis, 1854, 380.
rustica, 1859, 327.
Cochlospermum gossypium, 1870, 187.
Cocos butyracea, 1859, 322.
nucifera, 1859, 322; 1863, 108; 1867, 147.
oleracea, 1859, 352.
Cocus arenaria, 1859, 323.
Codiæum chrysosticon, 1859, 359.
Coffea Arabica, 1870, 195; 1876, 63, 64.
Liberica, 1876, 64.
Cola acuminata, 1870, 197.
Colchicum, 1869, 114.
Collinsia heterophylla, 1857, 272.
Collomia coccinea, 1857, 271.
Collybia esculentus, 1876, 79.
radicatus, 1876, 79.
Colpodium fulvum, 1868, 188.
Colutea, 1857, 268; 1868, 123; 1870, 17.
arborescens, 1859, 102; 1861, 636.
Combretacæ, 1875, 163.
Compositæ, 1857, 273; 1868, 123; 1870, 17, 124, 180, 186, 198.
Comptonia, 1868, 124; 1870, 17.
Condalia obovata, 1857, 241.
spathulata, 1857, 241.
Confervæ, 1864, 461.
Confervaceæ, 1866, 424.
Coniferæ, 1868, 124; 1870, 17, 182, 184, 187; 1875, 177, 352, 353, 354, 355, 356, 358.
Coniomycetes Ustilaginei, 1876, 81.
Conium, 1847, 515.
maculatum, 1857, 275; 1860, 67; 1865, 512.
Conocarpus erectus, 1860, 423; 1875, 163.
Convallaria, 1847, 515.
Convolvulaceæ, 1857, 271; 1870, 181, 183.
Convolvulus, 1847, 514; 1855, 92; 1862, 161; 1866, 129.
arvensis, 1863, 116; 1865, 517.
batatas, 1845, 450; 1859, 301, 309; 1867, 311.
chrysorrhizus, 1859, 310.
major, 1857, 271.
purpureus, 1864, 347.
scammonia, 1866, 510; 1870, 183.
sepium, 1863, 116.
turpethum, 1859, 329.
Cookia punctata, 1850, 450; 1867, 24.
Copaifera officinalis, 1870, 190.
Copernicia cerifera, 1870, 204.
Coptis asplenifolia, 1868, 187.
trifolia, 1864, 344; 1868, 187.
Coprinus comatus, 1876, 80.
atramentarius, 1876, 80.
Corchorus, 1857, 265,
acutangulus, 1859, 335.
Corchorus, capsularis, 1863, 107; 1870, 15; 1872, 167; 1873, 267.
fructiculosus, 1859, 357.
olitorius, 1859, 18, 355, 357; 1863, 107; 1872, 167.
tridens, 1859, 355.
Cordia Boissieri, 1860, 434.
myxa, 1859, 339.
sebestena, 1859, 339; 1860, 423.
Corema, 1868, 124.
Coreopsis atrosanguinea, 1857, 273.
Drummondii, 1857, 273.
Coriandrum sativum, 1854, 349; 1870, 202.
Coriaria, 1868, 123; 1870, 17.
sarmentosa, 1859, 347.
Coriariceæ, 1868, 123; 1870, 17.
Cornaceæ, 1868, 123; 1870, 17; 1875, 164.
Cornus, 1847, 514; 1859, 344; 1868, 123; 1870, 17.
alternifolia, 1860, 419.
asperifolia, 1875, 342.
Canadensis, 1875, 342.
cirnata, 1875, 342.
florida, 1853, 98; 1860, 419, 501; 1864, 344; 1868, 203; 1869, 171; 1875, 164.
mascula, 1859, 346.
Nuttalli, 1860, 431; 1875, 164.
pubescens, 1860, 431; 1875, 164.
sessilis, 1860, 433.
sericea, 1875, 342.
stolonifera, 1875, 342.
Coronilla, 1857, 269; 1868, 123.
Cortinarius castaneus, 1876, 80.
cinnamomeus, 1876, 80.
infractus, 1876, 80.
pholideus, 1876, 80.
violaceus, 1876, 80.
Corylaceæ, 1857, 263.
Corylus, 1847, 520; 1868, 110, 124; 1870, 16.
Americana, 1859, 321; 1870, 411; 1875, 342.
Avellana, 1856, 450; 1859, 321; 1864, 344; 1868, 202.
colurna, 1859, 321.
glomerata, 1859, 321.
rostrata, 1859, 321; 1875, 342.
var. Californica, 1875, 175.
tubulosa, 1859, 321.
Corypha australis, 1859, 352.
cerifera, 1859, 351.
rotundifolia, 1859, 352, 513.
umbraculifera, 1859, 352, 513.
Cosmanthus, 1862, 161.
Cotoneaster, 1868, 123; 1870, 16.
rotundifolia, 1857, 270.
Couma Guianensis, 1859, 351.
Crambe, 1847, 518.
maritima, 1854, xx, 380; 1857, 264; 1859, 354.
Tataria, 1859, 354.
Cratægus, 1847, 516; 1856, 59; 1859, 344; 1860, 435; 1868, 123, 203; 1870, 16.
æstivalis, 1860, 421; 1875, 162.
apiifolia, 1860, 421; 1875, 162.
arborescens, 1860, 421; 1875, 162.

Cratægus aria, 1860, 421.
azarolus, 1859, 345.
berberifolia, 1860, 422.
coccinea, 1860, 419, 502; 1870, 413; 1873, 332; 1875, 162.
cordata, 1854, 394, 418; 1857, 242; 1860, 317, 420; 1875, 162.
crus-galli, 1857, 242; 1860, 419; 1875, 162.
flava, 1860, 421; 1875, 162.
glandulosa, 1860, 430; 1875, 162.
macrantha, 1857, 270.
oxyacantha, 1854, 394, 410; 1857, 490; 1868, 245; 1873, 183, 185.
punctata, 1857, 270; 1873, 183; 1875, 162.
pyracantha, 1856, 451; 1873, 183.
rivularis, 1860, 431; 1875, 162.
sanguinea, 1860, 430; 1875, 162.
spathulata, 1875, 162.
terminalis, 1859, 345.
tomentosa, 1860, 419; 1871, 349; 1873, 183; 1875, 162.
tomentosa, var. mollis, 1875, 162.
trilobata, 1859, 345.
Cratæva magna, 1859, 337.
nurvala, 1859, 337.
religiosa, 1859, 337.
Crepis, 1847, 519.
Crescentia, 1860, 423.
cujute, 1868, 270.
Crithmum maritimum, 1859, 354.
Crocus, 1864, 344.
edulus, 1859, 311.
sativus, 1848, 161.
vernus, 1859, 311.
Crotalaria, 1857, 268; 1867, 72; 1870, 80.
juncea, 1863, 107, 108.
Croton, 1857, 263.
tiglium, 1870, 14, 173.
Cruciferæ, 1857, 264; 1867, 72; 1870, 181, 204.
Cryptandra, 1857, 270.
Cryptococus alvearis, 1868, 278.
Cryptogamia, 1868, 231.
Cryptomeria, 1859, 135; 1868, 124; 1870, 17.
Cubeba officinalis, 1870, 181.
Cucubalus, 1847, 516.
Cucumis citrullus, 1859, 333; 1867, 147, 313.
colocynthis, 1860, 33.
melo, 1854, 362; 1859, 333; 1867, 313.
sativus, 1854, 350; 1859, 333; 1867, 313.
Cucurbita, 1857, 263.
citrullus, 1854, 363.
melopepo, 1854, 382; 1867, 313.
ovifera, 1854, 328.
pepo, 1854, 375; 1859, 333, 334; 1867, 313.
Cucurbitaceæ, 1857, 263; 1859, 333; 1870, 205; 1875, 120.
Cunninghamia, 1859, 135; 1868, 124; 1870, 17.
sinensis, 1859, 136.
Cupania tomentosa, 1859, 315.
Cuphea procumbens, 1857, 270.
Cupressineæ, 1868, 124.
Cupressus, 1854, 401; 1868, 124; 1869, 174, 181; 1870, 17; 1875, 358.
disticha, 1861, 636.
glauca, 1859, 136.
Gowana, 1860, 433.
Lawsoniana, 1860, 432; 1868, 196; 1875, 184.
macrocarpa, 1860, 433; 1875, 184.
MacNabiana, 1875, 184.
Nutkaensis, 1860, 431; 1868, 188, 196.
Nutkanus, 1875, 184.
thyoides, 1860, 421, 426, 431, 441; 1861, 636; 1865, 250; 1875, 184, 342.
Cupuliferæ, 1868, 124; 1870, 16; 1875, 172.
Curcas purgans, 1870, 180.
Curcuma amada, 1870, 203.
aromatica, 1870, 203.
longa, 1868, 269; 1870, 203.
zedoria, 1870, 203.
Cuscuta epilinum, 1863, 116; 1865, 517.
Europæa, 1863, 116.
Cycas circinnalis, 1859, 313.
inermis, 1859, 313.
revoluta, 1859, 135, 313.
Cyclamen Neapolitanum, 1863, 370.
Persicum, 1863, 367, 370.
punctatum, 1863, 370.
Cyclopia genistoides, 1870, 194.
Cydonia, 1868, 123; 1869, 183; 1870, 16.
sinensis, 1859, 341.
vulgaris, 1859, 341; 1867, 146.
Cynanchum arquel, 1855, lx.
Cynara cardunculus, 1854, 344; 1859, 358.
scolymus, 1854, 333; 1859, 358.
Cynocrambe, 1847, 521.
Cynodon dactylon, 1849, 154; 1855, 252; 1865, 519; 1873, 238.
Cynoglossum, 1847, 514.
glochidatum, 1857, 271.
Cynometra cauliflora, 1859, 333.
Cynosurus, 1847, 513.
cristatus, 1847, 159; 1857, 392; 1860, 76, 129; 1869, 88, 89; 1870, 19; 1873, 406.
Cyperaceæ, 1868, 128; 1869, 504; 1870, 224.
Cyperus, 1849, 156; 1876, 62.
esculentus, 1854, xvii, 349; 1855, xiii; 1857, 165; 1859, 325, 565; 1873, 281.
hydra, 1865, 518.
phymatodes, 1865, 518.
repens, 1849, 156; 1854, xvii; 1855, xiv; 1859, 565; 1873, 281.
Cypripedium, 1847, 520; 1862, 162; 1866, 127; 1871, 413.
Cyrilla, 1868, 124.
racemiflora, 1860, 421; 1875, 166.
Cyrillaceæ, 1868, 124; 1875, 166.
Cytisus, 1868, 123; 1870, 17.
albus, 1857, 268.
laburnum, 1857, 268.

D.

Dabœcia, 1868, 123; 1870, 16.
Dacrydium, 1868, 124.

Dactylis glomerata, 1860, 129; 1866, 365; 1869, 88, 89; 1870, 585.
Dædalea, 1849, 398.
Dalea, 1866, 129.
spinosa, 1860, 434.
Dammara, 1868, 124.
australis, 1870, 182.
orientalis, 1870, 182.
Danthoneæ racemosa, 1874, 439.
sericea, 1870, 219.
spicata, 1870, 219.
subspicata, 1873, 406.
Daphne, 1868, 124; 1870, 17.
mezereum, 1857, 490.
Darbya, 1868, 124.
Datura, 1875, 136.
metel, 1870, 423.
stramonium, 1855, 66; 1857, 120, 270; 1860, 67; 1867, 516; 1870, 224, 423; 1873, 157.
Wrightii, 1870, 75.
Daucus, 1847, 515.
carota, 1854, 345; 1857, 275; 1859, 328; 1860, 76; 1865, 512; 1867, 312.
Decumaria, 1868, 123; 1870, 16.
Delesseria sanguinea, 1860, 68; 1864, 469.
Delphinium, 1847, 517.
Ajacis, 1865, 510.
azureum, 1862, 157; 1866, 127, 128.
coccineum, 1866, 128.
consolida, 1865, 510.
elatum, 1866, 127.
exaltatum, 1862, 157.
flexuosum, 1857, 266.
intermedium, 1857, 265.
Menziesii, 1866, 127.
scopulorum, 1866, 128.
staphisagria, 1870, 87.
virescens, 1862, 157; 1866, 127.
Depazea, 1849, 392, 396.
Deterium Senegalense, 1859, 344.
Deutzia, 1868, 123; 1869, 183; 1870, 16.
Dialium nitidum, 1859, 344.
Dianthus, 1847, 516.
barbatus, 1857, 267.
carophyllus, 1850, 500.
Chinensis, 1857, 267.
Diapensia Lapponica, 1863, 469.
Diarrhena Americana, 1870, 219.
Dicentra, 1862, 158.
bulbosa, 1862, 158.
cucullaria, 1862, 158.
formosa, 1862, 158.
Dichelachne crinita, 1874, 439.
Dicksonia antarctica, 1859, 132.
Dicotyledonæ, 1868, 122.
Diervilla, 1868, 123; 1870, 16.
Digitalis lutea, 1857, 272.
purpurea, 1860, 67.
Digitaria, 1849, 157.
dactylon, 1853, 401; 1873, 238.
sanguinalis, 1849, 154; 1859, 306.
Dillenia elliptica, 1859, 337.
serrata, 1859, 337.
Dimocarpus Litchi, 1850, 450.
Dion edule, 1859, 313.
Dioscorea, 1860, 474.
aleta, 1854, 389; 1855, 225; 1859, 308, 310.
Dioscorea batatas, 1854, xvii, 169, 389; 1855, xiii, 224; 1856, 251; 1868, 205, 446.
bulbifera, 1857, 165; 1859, 310.
deltoides, 1857, 165; 1859, 310.
esculenta, 1857, 165; 1859, 310.
pentaphylla, 1859, 310.
sativa, 1854, 389; 1859, 310.
Diospyros, 1859, 549; 1868, 124; 1870, 17.
amœna, 1859, 344
ebenaster, 1859, 339.
glutinifera, 1859, 339.
kaki, 1859, 339.
lotus, 1859, 346.
melanoxylon, 1859, 339.
Texana, 1860, 434; 1875, 166.
Virginiana, 1859, 339, 351; 1860, 421; 1870, 417; 1875, 166; 1876, 69.
Dipholis Salicifolia, 1875, 166.
Diplazium esculentum, 1859, 329.
Diplotaxis tenuifolia, 1857, 264.
Dipsaceæ, 1857, 273.
Dipsacus fallonum, 1863, 117.
laciniatus, 1857, 273.
sylvestris, 1865, 512.
Dipteraceæ, 1870, 176, 189.
Dipterocarpaceæ, 1870, 183.
Dipterocarpeæ, 1870, 183.
Dipterocarpus lævis, 1870, 189.
trinervis, 1870, 189.
Dirca, 1868, 124; 1870, 17.
Dodecatheon meadia, 1862, 159.
Dolichos, 1849, 158.
bulbosus, 1859, 311; 1860, 473, 474.
catiang, 1859, 318.
glycinoides, 1859, 318.
lablab, 1859, 318.
lignosus, 1857, 269.
lubia, 1859, 318.
melanophthalmus, 1859, 318.
Niloticus, 1859, 318.
sesquipedalis, 1859, 318.
sinensis, 1859, 318.
sphærospermus, 1859, 318.
tuberosus, 1859, 311.
unguiculatus, 1859, 318.
viridis, 1854, xv.
Dorema ammoniacum, 1870, 183.
Dorstenia Brasiliensis, 1870, 14.
Draba, 1847, 518.
verna, 1862, 158.
Dracæna draco, 1870, 14.
indivisa, 1859, 347, 357.
nobilis, 1859, 132.
terminalis, 1859, 313, 357.
Dracocephalum, 1862, 161.
denticulatum, 1857, 272.
Dracontium polyphyllum, 1859, 301, 311.
Drosera, 1847, 515.
Dryadeæ, 1868, 123.
Dryobalanops camphora, 1870, 176.
Drypetes crocea, 1875, 170.
glauca, 1875, 170.
Dubæ, 1870, 17.
Dupontia psilosantha, 1868, 188.
Durio zibethinus, 1859, 337.
Durvillæa utilis, 1860, 67.
Dysodia chrysanthemoides, 1870, 224.

E.

Eatonia obtusata, 1870, 219.
Pennsylvanica, 1870, 219.
Ebenaceæ, 1859, 549; 1868, 124; 1870, 17.
Eccremocarpus scaber, 1857, 272; 1875, 166.
Echinocactus Wislizeni, 1860, 434; 1870, 417.
Echinospermum lappula, 1865, 515.
Echium, 1847, 514.
grandiflorum, 1857, 271.
vulgare, 1865, 515; 1868, 281.
Ecklonia buccinalis, 1860, 67.
Edosmia montana, 1870, 407.
Ehretia Buerreria, 1875, 167.
elliptica, 1860, 434; 1875, 167.
Elæagia utilis, 1870, 205.
Elæagnaceæ, 1868, 124; 1870, 16; 1875, 169.
Elæagnus, 1868, 124; 1870, 16.
angustifolia, 1859, 343; 1869, 171.
arborea, 1859, 343.
conferta, 1859, 343.
orientalis, 1859, 343.
Phillipinensis, 1859, 343.
Elæis Guineensis, 1859, 322; 1870, 14, 175.
Elaphrium elemiferum, 1870, 190,
Elate sylvestris, 1859, 313, 343.
Eleusine coracana, 1859, 306; 1869, 88, 89.
Indica, 1849, 156; 1869, 89.
stricta, 1859, 307.
tocussa, 1859, 306; 1869, 88, 89.
Ellettaria cardamomum, 1870, 14, 179, 200.
Elliottia, 1868, 124.
Elsholtzia cristata, 1857, 271.
Elymus, 1860, 233, 235, 237; 1868, 271.
arenarius, 1854, xxvi, 409; 1868, 188.
Canadensis, 1866, 127; 1870, 219, 225.
condensatus, 1866, 127; 1870, 219.
mollis, 1868, 188; 1870, 225.
Sibiricus, 1868, 188; 1870, 219, 220, 225.
striatus, 1870, 219.
triticoides, 1870, 219.
Virginicus, 1870, 219, 225.
Emblica officinalis, 1859, 336.
Empetraceæ, 1868, 124.
Empetrum, 1847, 521; 1868, 124.
nigrum, 1868, 188; 1870, 413.
Empusa (Sporendonema) muscæ, 1872, 132.
Enslenia albida, 1865, 516.
Enteromorpha, 1864, 469.
compressa, 1864, 465.
Enlophyta, 1869, 389.
Eperua falcata, 1870, 188.
Epigæa, 1868, 123; 1870, 16.
repens, 1864, 344; 1871, 413.
Epilobium angustifolium, 1859, 359.
latifolium, 1859, 359.
tetragonum, 1859, 359.
Epiphyllum, 1863, 371.
Epiphyta, 1869, 389.
Equisetaceæ, 1860, 123.
Equisetum, 1847, 521; 1876, 62.
fluviatile, 1851, 110.
Eragrostis Abyssinica, 1859, 306.
Brownii, 1874, 440.
capillaris, 1870, 219.
Eragrostis megastachya, 1870, 219, 221, 224.
oxylepis, 1866, 128; 1870, 219.
pectinacea, 1870, 219.
Purshii, 1866, 128; 1870, 219.
reptans, 1870, 219.
tenuis, 1870, 219.
Erechthites hieracifolia, 1865, 513.
Ergotetia abortifaciens, 1849, 395.
Erica, 1847, 515.
Ericaceæ, 1868, 123; 1870, 16, 194; 1875, 165.
Ericineæ, 1868, 123.
Erigeron Canadense, 1865, 512; 1870, 224.
divaricatum, 1870, 224.
strigosum, 1865, 512.
Eriobotrya, 1860, 475.
Japonica, 1850, 450; 1867, 143.
Eriocoma cuspidata, 1870, 218, 420.
Erioglossum edule, 1859, 337.
Eriophorum, 1847, 513.
Virginicum, 1864, 411.
Erodium circutarium, 1853, 401; 1870, 422.
Ervum, 1857, 269.
lens, 1854, xvi; 1859, 316, 317; 1867, 298.
Eryngium campestre, 1868, 108.
Erysibe (see Erisyphe), 1844, 249; 1849, 396.
subterranea, 1844, 236.
Erysimum, 1847, 518.
Peroffskianum, 1857, 264.
Erysiphe (see Erysibe), 1849, 396, 398; 1861, 496, 497, 498; 1865, 546; 1869, 512; 1871, 112, 113, 115, 121.
Tuckeri, 1874, 174, 176, 177.
Erythræa, 1862, 161.
Erythrina, 1857, 269.
Erythronium, 1862, 195.
albidum, 1868, 281.
Americanum, 1864, 344.
Erythroxylon coca, 1870, 196.
Escallonia floribunda, 1859, 135.
Escallonieæ, 1868, 123.
Eschscholtzia California, 1857, 266.
Eucalypti, 1871, 233; 1876, 84.
Eucalyptus, 1857, 274; 1874, 425, 426, 441, 446; 1875, 329, 345; 1876, 66, 82, 84.
gigantea, 1864, 207.
globulus, 1870, 22, 232; 1871, 103; 1874, 425, 441; 1875, 345; 1876, 82, 84.
hemiphloia, 1875, 345; 1876, 65, 82.
mannifera, 1870, 184.
obliqua, 1875, 345.
paniculata, 1875, 345.
resinifera, 1870, 232.
rostrata, 1870, 184; 1874, 441.
saligna, 1859, 135.
tereticornis, 1875, 345.
Eucharidium concinnum, 1857, 274.
Euchroma coccinea, 1864, 344.
Eugenia, 1859, 336.
Brasiliensis, 1859, 349.
buxifolia, 1860, 423; 1875, 163.
cauliflora, 1859, 349.
dichotoma, 1875, 163.
floribunda, 1859, 349.

Eugenia jambosa, 1859, 336.
latifolia, 1860, 422.
Malaccensis, 1859, 336.
Michelii, 1859, 349.
monticola, 1875, 163.
pimenta, 1870, 179, 200.
procera, 1860, 423; 1875, 163.
Euonymus, 1847, 514; 1859, 133; 1868, 123; 1870, 16, 614.
atropurpureus, 1875, 157, 342.
Europæus, 1863, 477; 1867, 478.
fimbriatus, 1859, 135.
Japonicus, 1869, 181; 1876, 70.
occidentalis, 1875, 157.
ovalis, 1875, 342.
Eupatorium, 1847, 519; 1866, 129.
perfoliatum, 1860, 500.
purpureum, 1865, 512.
Euphorbia, 1847, 517; 1866, 129.
cattimandoo, 1870, 191.
edulis, 1859, 359.
hirta, 1859, 359.
hypericifolia, 1865, 517.
lathyris, 1857, 263.
maculata, 1865, 517.
pilulifera, 1859, 359.
Euphorbiaceæ, 1851, 54; 1857, 263; 1868, 124; 1870, 173, 178, 180, 190, 191; 1875, 169; 1876, 64.
Euphrasia, 1847, 517.
Euryale ferox, 1859, 312.
Euryops multifidus, 1870, 186.
Euterpe edulis, 1859 352.
Caribæa, 1859, 352.
oleraceæ, 1859, 352.
Eutoca viscida, 1857, 271.
Excæcaria lucida, 1875, 169.
Exocarpus cupressiformis, 1859, 347.
Exogonium purga, 1870, 183.
Exostemma, 1866, 455.

F.

Faba vulgaris, 1857, 269; 1859, 316.
Fabaceæ, 1870, 185.
Fabiana imbricata, 1859, 135.
Fagara piperita, 1861, 380.
Fagopyrum, 1847, 515.
Fagus, 1847, 520; 1868, 105, 124; 1870, 16.
alba, 1860, 420.
ferruginea, 1849, 478; 1854, 406; 1860, 417; 1870, 171; 1875, 175.
sylvatica, 1854, 405; 1857, 263; 1860, 66; 1861, 636; 1868, 201, 202; 1870, 171.
Fedia dentata, 1857, 273.
olitoria, 1854, 350.
Ferula assafœtida, 1855, xxviii.
Persica, 1870, 186.
Festuca, 1847, 513; 1853, 396, 397, 399.
dives, 1874, 439.
duriuscula, 1847, 159, 160; 1854, 392; 1860, 129; 1866, 366; 1869, 88, 89; 1870, 19.
elatior, 1869, 88.
flabellata, 1855, xxxi, xxxiii.
fluitans, 1869, 88.
heterophylla, 1847, 160; 1854, 392; 1869, 88.
loliaceæ, 1869, 88, 89.
Festuca macrostachya, 1870, 219, 220, 224.
microstachys, 1866, 128.
nutans, 1870, 219.
ovina, 1844, 310; 1847, 159; 1854, xxv, 392; 1866, 128, 366; 1868, 188; 1869, 88, 89, 90; 1870, 19, 219, 220; 1872, 223.
pauciflora, 1870, 219.
pratensis, 1854, xxv; 1860, 76, 129; 1866, 365; 1869, 88, 89; 1870, 19, 226.
rubra, 1854, 392; 1868, 88, 89, 90; 1870, 19, 219.
scabrella, 1866, 128; 1870, 219.
subulata, 1868, 188.
tenella, 1866, 128; 1870, 219.
tenuifolia, 1854, 392; 1869, 88; 1870, 19.
Ficus, 1868, 124; 1870, 17; 1876, 64.
aspera, 1859, 332.
aurea, 1860, 423; 1875, 170.
brevifolia, 1860, 423; 1875, 170.
carica, 1854, xxix; 1859, 331.
cerifera, 1870, 205.
elastica, 1870, 191; 1876, 64.
granatum, 1859, 332.
Indica, 1859, 332; 1866, 34; 1868, 270.
Johannis, 1859, 332.
pedunculata, 1875, 170.
Persica, 1859, 332.
prolixa, 1865, 95.
religiosa, 1866, 34.
sycomorus, 1859, 344.
Filipendula, 1847, 516.
Fistulina hepatica, 1876, 80.
Fitzroya, 1868, 124.
Flacourtia cataphracta, 1859, 337.
inermis, 1859, 337.
sapida, 1859, 337.
sepiaria, 1859, 337.
Fœniculum dulce, 1857, 275.
vulgare, 1870, 179.
Fontanesia, 1868, 124; 1870, 17.
Forestiera, 1868, 124; 1870, 17.
acuminata, 1875, 168.
ligustrina, 1875, 168.
Forestieriæ, 1868, 124.
Forsythia, 1858, 124; 1869, 183; 1870, 17.
Fothergilla, 1868, 123; 1870, 16.
Fothergilleæ, 1868, 123.
Fouquiera splendens, 1857, 242; 1875, 155.
Fourcroya, 1869, 259, 260.
Cubensis, 1869, 259.
Fragaria, 1847, 516; 1859, 344; 1861, 189.
Breslingia, 1861, 187.
Bonariensis, 1861, 187, 190.
calycina, 1861, 187.
Canadensis, 1861, 187, 190.
Caroliniana, 1861, 190.
Caroliniensis, 1861, 190.
Chilensis, 1859, 347; 1861, 187, 190, 191, 195, 196, 200, 204.
collina, 1859, 346; 1861, 187, 190, 194, 206.
elatior, 1859, 346; 1861, 187, 190, 194, 195, 205.
grandiflora, 1859, 347; 1861, 187, 190, 191, 195, 196, 200.
Hudsonica, 1861, 190.
Illinoiensis, 1861, 187, 190, 196.

Fragaria Indica, 1861, 187, 190, 194.
Iowensis, 1861, 187, 190.
lucida, 1861, 190.
Majaufea, 1861, 187.
monophylla, 1861, 187, 190.
platanoides, 1861, 187.
sericea, 1861, 190.
sterilis, 1861, 190.
Sundaica, 1861, 187.
vesca, 1859, 346; 1861, 175, 187, 190, 191, 194, 195, 205.
Virginiana, 1859, 347; 1861, 175, 187, 190, 191, 194, 195; 1864, 344; 1870, 413.
Frangula, 1847, 514; 1860, 435; 1868, 123; 1870, 19.
Californica, 1860, 432; 1875, 157; 1876, 64.
Caroliniana, 1860, 421; 1875, 157.
Purshiana, 1860, 430; 1875, 157.
Fraxineæ, 1868, 124; 1870, 184.
Fraxinus, 1847, 521; 1868, 105, 124.
Americana, 1860, 417, 424; 1868, 199; 1870, 232; 1875, 168, 342.
anomala, 1875, 168.
coriacea, 1875, 168.
Curtissi, 1875, 168.
dipetala, 1875, 168.
excelsior, 1868, 198, 201, 202; 1873, 152.
nigra, 1857, 490.
Oregonia, 1860, 431; 1875, 168.
ornus, 1859, 117; 1861, 636; 1866, 38; 1870, 19.
pistaciæfolia, 1860, 434; 1875, 168.
platycarpa, 1860, 421; 1875, 168.
pubescens, 1860, 419; 1875, 168.
quadrangulata, 1860, 419; 1875, 168, 342.
sambucifolia, 1860, 417; 1870, 232; 1875, 168.
viridis, 1860, 419; 1869, 171; 1875, 168, 342.
Frenela, 1868, 124.
Fritillaria Kamtschatkensis, 1868, 188.
Fucaceæ, 1866, 423.
Fuchsia denticulata, 1859, 351.
fulgens, 1844, 382.
racemosa, 1859, 351.
Fucus, 1864, 465; 1866, 423.
canaliculatus, 1866, 427.
digitatus, 1860, 67.
nodosus, 1860, 67; 1866, 424, 427; 1869, 73.
serratus, 1860, 67; 1866, 424, 427.
vesiculosus, 1860, 67; 1866, 424, 427; 1869, 73.
Fumaria, 1847, 518.
spicata, 1857, 266.
Fungi, 1844, 436; 1845, 226, 229; 1849, 391; 1864, 529; 1868, 109, 114, 230, 231, 232; 1870, 118; 1871, 110, 115; 1872, 189.
Furcellaria fastigiata, 1860, 67.
Fusanus acuminatus, 1859, 347.
Fusisporium, 1845, 682; 1849, 398.
solani, 1845, 669.
sporotrichoides, 1845, 669.

G.

Gaillardia, 1866, 129.
aristata, 1857, 273.
Galactodendron utile, 1859, 300.
Galanthus nivalis, 1864, 344.
Galbanum officinale, 1870, 186.
Galega officinalis, 1869, 88, 91.
Sibirica, 1857, 268.
Galeopsis, 1847, 517.
Galinsogea trilobata, 1857, 273.
Garcinia Cambogia, 1859, 339; 1870, 14.
celebica, 1859, 339; 1870, 14.
kydia, 1859, 339; 1870, 14.
morella, 1859, 339; 1870, 182.
paniculata, 1859, 339.
pictoria, 1870, 182.
purpurea, 1859, 339.
Garrya, 1868, 123; 1870, 17.
elliptica, 1875, 164.
Fremontii, 1875, 164.
Gaultheria procumbens, 1856, 153; 1870, 194, 414.
Gaylussacia, 1868, 123; 1870, 16.
Gelsemium, 1868, 123; 1870, 16.
sempervirens, 1868, 204.
Genista, 1847, 518; 1868, 123; 1870, 17, 614.
scoparia, 1854, xxxv.
Gentiana, 1859, 299.
amarella, 1868, 188.
lutea, 1848, 607.
Geraniaceæ, 1857, 266.
Geranium, 1847, 518.
citriodorum, 1863, 372.
Gerardia flava, 1862, 160.
integrifolia, 1862, 160.
pectinata, 1862, 160.
pedicularia, 1862, 160.
purpurea, 1862, 160.
quercifolia, 1862, 160.
Geum, 1847, 516; 1857, 270.
montanum, 1848, 606.
Gilia Achilleæfolia, 1857, 271.
capitata, 1857, 271.
longiflora, 1866, 129.
Gillenia trifoliata, 1862, 159.
Gladiolus communis, 1863, 365.
floribundus, 1863, 365.
Gandivensis, 1863, 365.
psittacinus, 1857, 262.
Glaphyria nitida, 1870, 194.
Glaucium rubrum, 1857, 266.
Glechoma, 1847, 517.
Gleditschia, 1860, 427; 1868, 123; 1870, 17.
ferox, 1857, 490; 1859, 108.
monosperma, 1860, 421; 1875, 160, 342.
triacanthos, 1854, 414; 1855, lvi; 1857, 242, 269; 1860, 420; 1868, 111, 194, 201, 245; 1870, 233; 1871, 349; 1875, 160, 342.
Glossopetalum spinescens, 1857, 240.
Glyceria airoides, 1870, 219.
aquatica, 1868, 88; 1870, 219.
fluitans, 1859, 308; 1869, 88, 90.
glumaris, 1868, 188.
nervata, 1870, 219.
pauciflora, 1866, 127; 1870, 219.

Glycine apios, 1859, 311.
Glycyrrhiza echinata, 1871, 109.
glabra, 1854, 358; 1855, xx; 1870, 203; 1871, 109.
lepidota, 1870, 407.
Glyptostrobus, 1868, 124; 1870, 17.
Gnaphalium, 1847, 519.
plataginum, 1864, 412.
polycephalum, 1845, 517.
Godetia lepida, 1857, 274.
Lindleyana, 1857, 274.
Goldbachia torulosa, 1854, xxv.
Gondelia Tournefortii, 1859, 358.
Gonolobus, 1872, 168.
Gordonia, 1860, 427; 1868, 123; 1870, 17.
lasianthus, 1860, 421; 1875, 155.
pubescens, 1860, 422; 1863, 517; 1875, 155.
Gossypium, 1857, 265; 1875, 124.
acuminatum, 1853, 179.
arboreum, 1853, 179; 1856, 296; 1862, 104.
Barbadense, 1853, 179; 1855, 318, 319, 320; 1856, 286.
herbaceum, 1853, 179; 1855, 318, 319; 1856, 286, 288; 1862, 104, 158; 1868, 107, 108.
hirsutum, 1855, 318; 1856, 286, 296; 1862, 104.
Indicum, 1853, 179.
maculatum, 1862, 158.
Peruvianum, 1853, 179; 1856, 286.
religiosum, 1855, 318; 1856, 286.
vitifolium, 1856, 296.
Gramineæ, 1844, 373; 1865, 359; 1866, 127; 1868, 110.
Graphephorum flexuosum, 1870, 219.
Grevillea, 1859, 132.
Grewia Asiatica, 1859, 336.
Grias cauliflora, 1859, 349.
Grossularieæ, 1868, 123.
Guaiacum officinale, 1870, 186; 1875, 155.
sanctum, 1875, 155.
Guettarda Blodgettii, 1875, 165.
Guevina avellana, 1859, 321.
Guilandina bonduc, 1870, 14.
Guizotia oleifera, 1859, 325; 1870, 175.
Guttiferæ, 1870, 178; 1875, 155.
Gymnocladus, 1860, 427; 1868, 123; 1870, 17.
Canadensis, 1860, 419; 1875, 160, 342.
Gymnopogon racemosus, 1870, 218.
Gymnospermæ, 1868, 124.
Gymnostichum hystrix, 1870, 219.
Gynandropsis pentaphylla, 1859, 359.
Gynerium argenteum, 1860, 139.
Gypsophila elegans, 1857, 267.

H.

Habenarias, 1876, 62.
Habzelia Æthiopica, 1870, 200.
Hæmatoxylon Campechianum, 1870, 14.
Hakea pugioniformis, 1859, 135.
Halesia, 1860, 427; 1868, 124; 1870, 16.
diptera, 1860, 420; 1868, 203; 1875, 166.
Halesia, tetraptera, 1860, 420; 1869, 171; 1875, 166.
Halidrys siliquosa, 1860, 67.
Halimodendron, 1868, 123.
Halimus, 1847, 521.
Hallia, 1857, 269.
Halymenia edulis, 1859, 312.
palmetta, 1859, 312.
Hamamelaceæ, 1868, 123; 1870, 16; 1875, 163.
Hamameleæ, 1868, 123.
Hamamelis, 1868, 123; 1870, 16.
macrophylla, 1859, 321.
parvifolia, 1859, 322.
Virginica, 1859, 321; 1869, 171.
Hamiltonia oleifera, 1859, 322.
Hancornia speciosa, 1859, 351; 1870, 191.
Hebenstreitia tenuifolia, 1857, 272.
Hedera, 1847, 514; 1868, 123; 1870, 17.
helix, 1854, 400; 1868, 205.
Hedyotis cærulea, 1864, 344.
Hedysareæ, 1868, 123.
Hedysarum, 1857, 269.
Mackenzii, 1868, 175, 187.
onobrychis, 1847, 246; 1854, xxiii; 1864, 304.
Helenium, 1847, 520.
Douglasii, 1857, 274.
Helianthea, 1870, 175, 420.
Helianthi, 1871, 445.
Helianthus, 1856, 99; 1857, 75.
annuus, 1859, 325; 1864, 347; 1870, 180.
Indicus, 1857, 274.
lenticularis, 1870, 224.
mollis, 1870, 224.
rigidus, 1870, 224.
tuberosus, 1844, 146; 1854, 334; 1859, 311; 1867, 336; 1870, 407.
Heliconea Caribæa, 1865, 95.
Heliophila arabioides, 1857, 264.
Helleborus fœtidus, 1857, 265.
Helosciadum Californicum, 1870, 407.
Helvella crispa, 1859, 319.
elastica, 1859, 319.
esculenta, 1859, 319.
infula, 1859, 319.
mitra, 1859, 319.
monachella, 1859, 319.
ramosa, 1859, 319.
Hepatica, 1862, 157; 1871, 413.
triloba, 1851, 442; 1864, 347; 1868, 187.
Heracleum, 1847, 515.
elegans, 1857, 275.
Sibiricum, 1854, xxiii.
sphondylium, 1851, 655.
Hermannia, 1857, 265.
Hesperis matronalis, 1857, 264.
Hevea Brasiliensis, 1876, 64.
Hibiscus, 1851, 59; 1857, 265; 1868, 123; 1869, 61; 1870, 14, 17; 1873, 267.
cannabinus, 1859, 325, 359.
digitatus, 1859, 359.
esculentus, 1854, 332, 367; 1862, 158; 1864, 347; 1865, 95.

Hibiscus ficulneus, 1859, 359.
furcatus, 1859, 359.
hirtus, 1859, 359.
maculatus, 1859, 359.
micranthus, 1859, 359.
moschentos, 1865, 511.
palustris, 1862, 158.
radiatus, 1859, 359.
Sabdariffa, 1859, 359.
Syriacus, 1854, 405.
tiliaceus, 1859, 329.
Hieracium, 1847, 519.
Hierochloa, 1868, 189.
borealis, 1868, 189; 1870, 219.
Hippocratea comosa, 1859, 322.
Hippophæ, 1847, 520; 1868, 124; 1870, 16.
rhamnoides, 1854, 409; 1859, 360.
Hippomane Mancinella, 1875, 169.
Hippuris vulgaris, 1864, 455.
Holacantha Emoryi, 1857, 239, 241.
Holcus Caffrorum, 1865, 301.
dochna, 1865, 301.
lanatus, 1860, 129; 1869, 88, 90; 1874, 159.
mollis, 1869, 88, 90.
polygamum, 1853, 400; 1873, 238.
saccharatus, 1854, 219; 1842, 77; 1861, 294; 1865, 300.
Sorghum, 1854, xiv, 160; 1865, 300, 301.
Hordeum, 1868, 105.
bulbosum, 1869, 88; 1870, 19, 20.
distichum, 1859, 302.
hexastichon, 1859, 302.
jubatum, 1868, 188; 1870, 219.
pratense, 1849, 159; 1868, 188.
pusillum, 1849, 157; 1870, 219.
vulgare, 1857, 262; 1859, 302; 1867, 312.
Zeocriton, 1859, 303.
Horminum Pyrenaicum, 1857, 272.
Hortensia, 1869, 131.
Houstonia cœrulea, 1862, 159; 1864, 344.
Hoya, 1863, 373; 1870, 615.
Humiriaceæ, 1870, 188.
Humirium balsamiferum, 1870, 188.
floribundum, 1870, 188.
Humulus, 1847, 521.
lupulus, 1853, 246; 1854, 355; 1859, 357.
Hura crepitans, 1870, 14; 1876, 64.
Hyacinthus comosus, 1860, 96.
Hydnum imbricatum, 1876, 80.
lævigatum, 1876, 80.
repandum, 1859, 319; 1876, 80.
rufescens, 1876, 80.
subsquamosum, 1876, 80.
Hydrangea, 1868, 123; 1870, 16.
Thunbergii, 1870, 199.
Hydrangeaceæ, 1870, 199.
Hydrangieæ, 1868, 123.
Hydrocharis morsus-ranæ, 1864, 455.
Hydrocotyle, 1847, 514.
Hydrolea, 1862, 161.
Hydrophyllum Canadense, 1862, 161.
macrophyllum, 1862, 161.
Virginicum, 1862, 161.
Hygrophorus chrysodon, 1876, 80.
eburneus, 1876, 80.
Hygrophorus pratensis, 1876, 80.
Hymenæa Courbaril, 1870, 16.
Hyoscyamus, 1847, 514.
niger, 1857, 270; 1860, 124.
Hypecoum procumbens, 1857, 266.
Hypelate paniculata, 1875, 158.
Hypericaceæ, 1857, 265; 1868, 123; 1870, 16, 182.
Hypericum, 1847, 519; 1868, 123; 1870, 16.
aureum, 1862, 158.
corymbosum, 1860, 32.
hirsutum, 1857, 265.
Kalmianum, 1857, 265; 1862, 158.
perforatum, 1865, 510.
prolificum, 1862, 158.
pyramidatum, 1862, 158.
Hyphæne Thebaica, 1859, 344.
Hypochæris, 1847, 519.
Hypoxis, 1862, 162.
Hyssopus officinalis, 1854, 357.

I.

Iberis nudicaulis, 1859, 356.
umbellata, 1857, 264.
Icica altissima, 1870, 182.
heptaphylla, 1870, 182.
heterophylla, 1870, 182.
Icosandria polygynia, 1861, 190.
Ilicineæ, 1875, 156.
Ilex, 1870, 17.
amara, 1870, 193.
aquifolium, 1854, 399.
cassena, 1856, 138.
cassine, 1870, 197.
Dahoon, 18.5, 156.
decidua, 1875, 156.
gongonha, 1870, 193.
monticola, 1875, 156.
opaca, 1854, 400; 1856, 138; 1860, 420; 1875, 156.
Paraguayensis, 1854, xxxiv; 1859, 4, 15; 1870, 193.
theczans, 1870, 193.
vomitoria, 1859, 15.
(Prinos) verticellata, 1876, 63.
Illecebrun, 1870, 123.
Illicium anisatum, 1870, 179, 199.
floridanum, 1870, 14.
Impatiens, 1847, 520; 1857, 270.
glanduligera, 1857, 266.
Incarpus edulis, 1859, 323.
Indigofera, 1844, 329; 1857, 268.
anil, 1844, 330; 1873, 260.
argentea, 1844, 330; 1873, 257.
cœrulea, 1844, 330,
tinctoria, 1844, 330, 331; 1857, 264; 1873, 257.
Inga burgoni, 1859, 333.
insignis, 1859, 333.
sapida, 1859, 333.
vera, 1859, 333.
Inula, 1849, 520.
helenium, 1854, 352.
Ipomœa, 1866, 129.
leptophylla, 1870, 407.
mamosa, 1859, 309.
purga, 1870, 14.
purpurea, 1868, 205.

Ipomœa turpethum, 1870, 183.
Iridæa, 1866, 424.
edulis, 1859, 312; 1860, 68.
Iris, 1857, 262.
cristata, 1862, 162.
cuprea, 1862, 162.
Florentina, 1855, xxiv.
pumila, 1864, 341.
Sibirica, 1857, 262.
vernata, 1862, 162.
versicolor, 1862, 162.
Virginica, 1862, 162; 1864, 344.
Isatis, 1847, 518.
indigotica, 1860, 474.
tinctoria, 1844, 331.
Isonandra gutta, 1870, 190.
Itea, 1868, 123; 1870, 16.
Virginica, 1876, 63.
Iva, 1870, 17.
ciliata, 1870, 224.
xanthifolia, 1870, 224.

J.

Jacquinia armillaris, 1875, 167.
Jambolifera pedunculata, 1859, 336.
Jambose, 1859, 336.
macrophylla, 1859, 336.
Malaccensis, 1859, 336.
vulgaris, 1859, 336.
Jasione, 1847, 520.
Jasminaceæ, 1868, 124; 1870, 17.
Jasminum, 1868, 124.
Jatropha curcas, 1860, 474; 1870, 14.
Loeflingii, 1855, 276.
manihot, 1855, 276, 286; 1859, 301, 309.
Jeffersonia diphylla, 1862, 157.
Juglandaceæ, 1868, 124; 1870, 16; 1875, 171.
Juglans, 1868, 116, 124; 1870, 16.
baccata, 1859, 321.
Californica, 1875, 172.
cinerea, 1849, 478; 1859, 321; 1860, 419; 1875, 171, 344.
fraxinifolia, 1859, 321.
nigra, 1859, 321, 490; 1868, 201; 1870, 411; 1875, 171, 342.
regia, 1855, xiv; 1856, 450; 1859, 320; 1867, 147.
rupestris, 1860, 433; 1875, 172.
Juncaceæ, 1866, 128.
Juncus, 1847, 515.
acutus, 1859, 103.
effusus, 1865, 518; 1876, 62.
Juniperus, 1847, 521; 1868, 107, 124, 177; 1869, 174, 181; 1870, 17.
Californicus, var. Utahense, 1875, 185.
communis, 1857, 263; 1859, 299; 1860, 417; 1868, 188; 1870, 107; 1875, 342.
occidentalis, 1860, 430; 1875, 185.
var. Texana, 1875, 185.
pachyphlœa, 1860, 433.
Sabina, 1859, 135; 1864, 558.
tetragona, 1860, 434.
Virginiana, 1860, 417, 424; 1868, 453; 1875, 185, 342.
Juniperus Virginiana, var. Bermudiana and var. Montana, 1875, 185.

K.

Kadsura, 1868, 122; 1870, 16.
Kalmia, 1860, 427; 1868, 123; 1870, 16; 1871, 413.
angustifolia, 1857, 120; 1863, 242.
latifolia, 1856, 152; 1857, 120; 1860, 419; 1863, 242; 1864, 363; 1867, 297; 1875, 165; 1876, 63.
Kaulfussia amelloides, 1857, 273.
Kentrophyllum tauricum, 1857, 274.
Kerria, 1868, 123; 1870, 16.
Kitaibelia vitifolia, 1857, 265.
Knautia orientalis, 1857, 273.
Kœleria cristata, 1866, 127; 1870, 219.
Kolreuteria, 1868, 123; 1870, 17.
paniculata, 1868, 201, 203; 1869, 171.
Koniga maritima, 1857, 264.
Krameria triandra, 1855, lx.
Krœberlinia spinosa, 1857, 241.

L.

Labiatæ, 1857, 271; 1870, 174, 175, 179, 180.
Lablab leucocarpus, 1859, 318.
microcarpus, 1859, 318.
Nankinensis, 1859, 318.
perennis, 1859, 318.
vulgaris, 1859, 318.
Laburnum, 1868, 123; 1870, 17.
vulgare, 1863, 203; 1869, 171.
Lactarius deliciosus, 1876, 80.
insulsus, 1876, 80.
piperatus, 1876, 80.
subdulcis, 1876, 80.
torminosus, 1876, 80.
volemus, 1876, 80.
Lactuca capitata, 1859, 353.
crispa, 1859, 353.
laciniata, 1859, 353.
sativa, 1854, 360; 1857, 274; 1859, 353; 1874, 148.
scariola, 1859, 353.
Ladenbergia 1866, 455.
Læchhardtia, 1868, 124.
Lagenaria vulgaris, 1859, 333.
Lagerstrœmia, 1868, 123.
Laguncularia racemosa, 1860, 422; 1875, 163.
Laminaria bulbosa, 1866, 424.
digitata, 1859, 312; 1860, 67; 1866, 424, 427; 1869, 73.
latifolia, 1860, 67.
saccharina, 1859, 312; 1866, 424, 427.
Lamium, 1847, 517.
amplexicaule, 1865, 515.
Lansium domesticum, 1859, 237.
Lantana pseudo-thea, 1870, 199.
Lappa major, 1865, 514; 1874, 148.
Larrea Mexicana, 1860, 434.
Lapsana, 1847, 519.
Lardizabalaceæ, 1868, 122; 1870, 16.
Larix, 1868, 124, 176; 1870, 17.
Americana, 1856, 154; 1860, 417; 1875, 183.

Larix dahurica, 1868, 177, 188.
Europæa, 1854, 414; 1870, 184, 231.
Lyallii, 1875, 183.
occidentalis, 1860, 431; 1875, 183, 358.
Lasthenia Californica, 1857, 273.
glabrata, 1857, 273.
Lathyrus, 1866, 129.
annuus, 1857, 269.
heterophyllus, 1857, 269.
latifolius, 1868, 206.
maritimus, 1868, 185, 187.
sativus, 1857, 269.
Lauraceæ, 1868, 124; 1870, 17, 177, 178, 199; 1875, 169.
Laurencia pinnatifida, 1859, 312; 1866, 424.
spicata, 1859, 357.
Laurestinus, 1859, 102.
Laurus, 1868, 124; 1870, 17.
camphora, 1850, 451; 1859, 14, 135; 1870, 14.
cassia, 1850, 451.
chloroxylon, 1859, 315.
nobilis, 1854, 401; 1870, 178.
Lavandula spica, 1854, 357; 1870, 180.
vera, 1870, 180.
Lavatera trimestris, 1857, 265.
Lecanora esculenta, 1859, 312.
Lecythidaceæ, 1870, 179.
Lecythis, 1870, 14.
ollaria, 1859, 315.
Ledum, 1847, 516; 1868, 123; 1870, 16; 1871, 413.
palustre, 1870, 194.
Leersia lenticularis, 1870, 218.
oryzoides, 1845, 690; 1849, 156; 1870, 218.
Virginica, 1870, 218.
Leguminosæ, 1844, 330; 1857, 241, 268; 1864, 304; 1868, 123; 1870, 17, 174, 176, 182, 184, 185, 186, 189, 190, 193, 194, 197, 199, 200, 203; 1874, 160; 1875, 159.
Leiophyllum, 1868, 123; 1870, 16.
Lemna minor, 1864, 461.
trisulca, 1864, 455; 1876, 62.
Leontodon, 1847, 519.
taraxacum, 1859, 356; 1870, 117.
Leonurus cardiaca, 1857, 272; 1865, 515.
Lepidium, 1847, 518.
oleraceum, 1859, 356.
piscidium, 1859, 356.
ruderale, 1861, 224.
sativum, 1844, 325, 370; 1854, 350; 1857, 264; 1859, 356; 1869, 137.
Lepiota excoriatus, 1876, 79.
mastoideus, 1876, 79.
procurus, 1876, 79.
rachodes, 1876, 79.
Leptochloa fascicularis, 1866, 127; 1870, 218.
mucronata, 1870, 218.
Leptomeria acerba, 1859, 347.
pungens, 1859, 347.
Leptosiphon androsaceus, 1857, 271.
Lepturus paniculatus, 1866, 128; 1870, 219, 220.
Lespedeza striata, 1867, 253; 1869, 88, 91.
Leucadendron, 1857, 268.
Leucæna retusa, 1875, 161.
Leucanthemum vulgare, 1865, 513.
Leucopogon, 1859, 347.
Leucothoe, 1868, 123; 1870, 16.
Lewisia rediviva, 1859, 355; 1870, 407.
Leycesteria, 1868, 123; 1870, 16.
Liatris, 1856, 99; 1857, 75.
odoratissima, 1871, 170; 1876, 69.
Libocedrus, 1868, 124; 1870, 17.
decurrens, 1860, 432; 1875, 185, 358.
Licania incana, 1859, 322.
Ligusticum levisticum, 1857, 275.
Ligustrum, 1847, 513; 1868, 124; 1870, 17.
glabra, 1851, 59.
Japonicum, 1868, 197.
lucidum, 1851, 58.
vulgare, 1854, 403; 1868, 197; 1870, 614.
Liliaceæ, 1857, 262; 1870, 182; 1875, 186.
Lilium Canadensis, 1862, 162.
Catesbæi, 1862, 162.
Philadelphicum, 1862, 162.
superbum, 1862, 162.
Limnanthes Douglasii, 1857, 265.
Limnobium spongia, 1864, 455.
Limnocharis, 1876, 62.
Limnopeuce, 1847, 513.
Limonia Americana, 1870, 14.
Linaceæ, 1857, 266; 1870, 180.
Linaria, 1847, 517.
bipartita, 1857, 272.
Perezii, 1857, 272.
spartea, 1857, 272.
vulgaris, 1862, 160; 1865, 515.
Lindera, 1868, 124; 1870, 17.
Linnæa, 1868, 123.
Linosyris, 1860, 430.
Linum, 1847, 515; 1861, 44.
grandiflorum, 1859, 19.
perenne, 1857, 266; 1868, 187.
usitatissimum, 1857, 266; 1859, 325; 1861, 21, 83, 87; 1862, 113; 1867, 225; 1870, 180.
Liquidambar, 1860, 427; 1868, 123; 1870, 16.
styraciflua, 1860, 420; 1875, 163.
Liriodendron, 1860, 427; 1868, 122; 1870, 16.
tulipifera, 1857, 265; 1860, 420; 1868, 198, 202, 203.
Lissanthe, 1859, 347.
Lithospermum, 1847, 514.
Lithræa laurina, 1860, 433.
Loasa lateritia, 1857, 274.
nitida, 1857, 275.
Loasaceæ, 1857, 274.
Lobelia cardinalis, 1862, 159; 1864, 453.
inflata, 1865, 515.
spicata, 1862, 159.
syphilitica, 1862, 159.
Texensis, 1866, 129.
Loganiæ, 1868, 123.
Loiseleuria, 1868, 123; 1870, 16.
Lolium Italicum, 1844, 373, 374; 1860, 129; 1869, 88, 90; 1870, 19; 1872, 418.
perenne, 1844, 340, 374; 1854, xxiv, 392; 1860, 129, 135; 1869, 88, 90; 1870, 226; 1873, 236, 408.
Lonicera, 1847, 514; 1868, 123.
brachypoda, 1868, 204.

Lonicera ciliata, 1870, 414.
involucrata, 1870, 414.
Japonica, 1868, 204; 1870, 16.
Tartarica, 1857, 490.
Loniceræ, 1868, 123.
Lopezia racemosa, 1857, 274.
Lophospermum scandens, 1868, 206.
Loteæ, 1868, 123.
Lotus, 1847, 519.
Lucuma mammosum, 1859, 237.
Lunaria biennis, 1857, 264.
Lupinus albus, 1854, xv; 1859, 316; 1861, 371; 1864, 304.
angustifolius, 1861, 371; 1864, 305.
argophyllus, 1866, 129.
aridus, 1866, 127.
grandifolius, 1857, 268.
hirsutus, 1859, 316.
littoralis, 1859, 311.
lucidus, 1857, 268.
luteus, 1854, xvi; 1861, 371; 1864, 305.
ornatus, 1866, 127.
perennis, 1859, 316.
polyphyllus, 1857, 268; 1866, 127.
pusillus, 1866, 129.
rivularis, 1857, 268.
sparsiflorus, 1866, 129.
succulentus, 1857, 268.
termis, 1859, 316; 1861, 371.
Texensis, 1866, 129.
Lychnis, 1847, 516.
Lycoperdon solidum, 1859, 320; 1870, 423, 424.
Lycopersicum esculentum, 1857, 270; 1859, 357; 1874, 148.
Lycopodiaceæ, 1860, 124.
Lycopodium leptophyllum, 1859, 132.
Lycopsis, 1847, 514.
Lycopus, 1847, 513.
Lygeum spartum, 1854, 44; 1868, 260, 267.
Lytraceæ, 1857, 270; 1868, 123; 1870, 16.
Lythrum, 1847, 516.

M.

Maba Major, 1859, 337.
Macbridea pulchra, 1862, 161.
Maclura, 1860, 427; 1868, 124; 1870, 17.
aurantiaca, 1854, 415; 1857, 242; 1860, 420; 1866, 36; 1867, 74; 1868, 194, 200, 202, 245; 1869, 171; 1871, 7, 349; 1873, 182; 1875, 170.
Macrochloa tenacissima, 1868, 260, 267, 301; 1869, 62; 1870, 21.
Macrocystis, 1870, 379.
Madia mellosa, 1845, 967.
sativa, 1844, 394; 1845, 314, 967, 968; 1859, 325; 1860, 63; 1870, 175.
splendens, 1857, 273.
viscosa, 1845, 967.
Magnolia, 1857, 265; 1860, 427; 1868, 122; 1870, 16, 110.
acuminata, 1860, 419; 1869, 182; 1875, 154.
conspicua, 1856, 315; 1869, 171.
cordata, 1860, 422; 1875, 154.
Fraseri, 1860, 420; 1875, 154.
Magnolia glauca, 1860, 421; 1868, 281; 1869, 171; 1875, 152, 154.
grandiflora, 1849, 156; 1857, 490, 491; 1859, 135; 1860, 203; 1872, 144; 1875, 154.
Hartwegii, 1859, 136.
Liriodendron tulipifera, 1875, 154.
macrophylla, 1860, 420; 1868, 200, 203; 1875, 154.
pyramidata, 1860, 421.
Soulangeana, 1856, 315; 1859, 129.
umbrella, 1860, 420; 1868, 203; 1875, 154.
Magnoliaceæ, 1857, 265; 1868, 122; 1870, 16; 1875, 154.
Mahonia, 1868, 123; 1870, 16.
aquifolium, 1857, 266.
repens, 1860, 32.
Majorana hortensis, 1854, 361.
Malachra, 1870, 21.
Malcomia maritima, 1857, 264.
Malope grandiflora, 1857, 265.
Malpizhia punicifolia, 1859, 351.
Malum Appianum, 1859, 345.
Malva, 1847, 411; 1864, 533.
Mauritiana, 1857, 265.
moschata, 1857, 265.
rotundiflora, 1859, 359.
verticillata, 1859, 359.
Malvaceæ, 1857, 265; 1859, 358; 1862, 104 1868, 123; 1870, 17.
Mammea Africana, 1859, 344.
Americana, 1847, 411; 1859, 348; 1870, 14.
marginata, 1859, 348.
Mammillaria, 1866, 371.
simplex, 1859, 333.
Mangifera Indica, 1859, 335; 1870, 14.
Manihot aipi, 1859, 309.
pusilla, 1859, 309.
utilissima, 1859, 309; 1870, 14.
Maranta arundinacea, 1849, 159; 1858, 324, 325, 329; 1859, 136.
roseolineata, 1859, 132.
Zebrina, 1863, 370.
Marasmius oreades, 1876, 80.
scorodonius, 1876, 80.
Marrubium, 1847, 517; 1868, 111.
vulgare, 1854, 354.
Martynia proboscidea, 1857, 272.
violacea, 1870, 422.
Maruta cotula, 1865, 513; 1869, 504.
Matricaria, 1847, 520.
chamomilla, 1860, 67.
Matthiola annua, 1857, 264.
Maurandya Barclayana, 1868, 206.
Mauritia flexuosa, 1859, 313.
Meconopsis, diphylla, 1862, 158.
Medicago, 1847, 519.
lupulina, 1854, xxiii; 1860, 76, 129; 1870, 420.
maculata, 1857, 268.
sativa, 1850, 67; 1854, xxiii; 1860, 76; 1869, 88, 90; 1870, 170; 1872, 418, 419, 420; 1873, 236; 1875, 205, 308.
Melaleuca minor, 1870, 174.
Melampyrum, 1847, 517.

Melanorrhea usitatissima, 1870, 188.
Melanospermeæ, 1866, 423.
Melastoma, 1859, 560; 1862, 159.
arborescens, 1859, 351.
flavescens, 1859, 351.
Guyanensis, 1859, 351.
spicata, 1859, 351.
succosa, 1859, 351.
tococa, 1859, 351.
Melia, 1868, 123; 1870, 17.
azadirachta, 1870, 174.
azedarach, 1855, 67; 1858, 380; 1865, 95; 1868, 281; 1870, 174; 1872, 131; 1875, 156.
Meliaceæ, 1868, 123; 1870, 17, 174; 1875, 156.
Melica, 1847, 513.
Melicoca bijuga, 1859, 315, 351.
Melilotus arborea, 1843, 107.
cærulea, 1857, 268; 1870, 200.
leucantha, 1857, 268.
macrorhiza, 1857, 268.
Melissa officinalis, 1854, 335; 1859, 103; 1868, 281.
Melocactus communis, 1859, 333.
Melochia pyramidata, 1869, 266.
Menispermaceæ, 1868, 123; 1870, 16.
Menispermum, 1868, 123; 1870, 16.
Canadense, 1868, 205.
Mentha, 1847, 517.
piperita, 1854, 363; 1870, 179.
pulegium, 1854, 363.
viridis, 1854, 363.
Menyanthes, 1847, 514.
trifoliata, 1864, 344.
Menziesia, 1868, 123; 1870, 16.
Merisma Berkeleii, 1876, 80.
caput-medusæ, 1876, 80.
coralloides, 1876, 80.
cristatus, 1876, 80.
confluens, 1876, 80.
frondosus, 1876, 80.
giganteus, 1876, 80.
sulphureus, 1876, 80.
Mertensia maritima, 1862, 161.
paniculata, 1862, 161.
Virginica, 1862, 161.
Merulius destructor, 1848, 212.
lachrymans, 1849, 358; 1865, 519.
Mesembryanthemum, 1867, 144.
crystallinum, 1857, 268.
equilaterale, 1857, 347.
præcox, 1857, 347.
Mespilus, 1868, 123.
(Amelanchier) Canadensis, 1864, 339, 344.
Germanica, 1859, 341.
Mesua ferrea, 1870, 14, 178.
Metrosideros alba, 1859, 136.
albicans, 1859, 132.
Microcachrys, 1868, 124.
Microsphæria, 1871, 121; 1874, 177.
Milium, 1847, 513; 1860, 471, 474.
Indicum, 1865, 300.
Plinii, 1865, 300.
Mimosa, 1857, 270; 1860, 32; 1866, 129; 1869, 259.
biuncifera, 1857, 242.
Mimosa borealis, 1857, 242.
inga, 1859, 333.
Mimoseæ, 1868, 123; 1870, 186, 189.
Mimulus, 1860, 129.
floribundus, 1866, 126.
luteus, 1866, 126.
moschatus, 1857, 272.
ringens, 1862, 160.
rubellus, 1866, 126.
Mimusops balota, 1859, 337; 1870, 190.
Sieberi, 1875, 166.
Mirabilis Jalapa, 1857, 267.
Mitchella, 1871, 445.
repens, 1862, 159.
Mitella diphylla, 1862, 159.
Momordica elaterium, 1857, 263.
Monarda didyma, 1862, 160; 1868, 281.
punctata, 1870, 174.
Moneses uniflora, 1870, 414.
Monolepis Nuttalliana, 1870, 224.
Monopetaleæ, 1868, 123.
Monroa squarrosa, 1866, 127; 1870, 219, 222.
Monstera deliciosa, 1870, 14.
Montia, 1847, 513.
Moraceæ, 1857, 263; 1870, 191, 205.
Morchella Bohemica, 1859, 319; 1876, 80.
conica, 1859, 319; 1876, 80.
deliciosa, 1859, 319; 1876, 80.
esculenta, 1859, 319; 1876, 80.
Morinda citrifolia, 1859, 337.
Moringa pterygosperma, 1870, 175.
Moringaceæ, 1870, 175.
Moronobea coccinea, 1870, 187.
Morus, 1868, 124; 1870, 17.
alba, 1854, 415; 1857, 490; 1859, 341; 1866, 36; 1867, 75; 1868, 300; 1875, 342.
moretti, 1866, 36; 1868, 300.
multicaulis, 1841, 82; 1842, 26; 1849, 462; 1859, 548, 549; 1862, 393; 1864, 494; 1866, 36; 1867, 74, 75; 1868, 300; 1870, 237; 1873, 70.
nigra, 1857, 263; 1859, 341; 1866, 129.
parvifolia, 1875, 170.
rubra, 1860, 419; 1866, 129; 1870, 417; 1875, 170, 342.
Mucedines, 1869, 512; 1873, 196.
Mucor, 1849, 398; 1871, 112; 1872, 197.
mucedo, 1871, 233.
Muhlenbergia diffusa, 1849, 156.
gracilis, 1866, 127; 1870, 218.
gracillima, 1866, 128; 1870, 218.
Mexicana, 1870, 218.
pungens, 1866, 127.
sobolifera, 1866, 127.
sylvatica, 1870, 218.
Musa Cavendishii, 1867, 24; 1870, 14.
ensete, 1859, 352.
Paradisiaca, 1859, 330; 1867, 145; 1869, 266.
sapientum, 1855, 314; 1859, 330; 1867, 145; 1869, 266.
textilis, 1855, xxxiii; 1863, 108; 1865, 95; 1869, 266; 1870, 14.
Myagrum, 1847, 411.
sativum, 1845, 314, 316; 1854, xxv.
Mycoderma aceti, 1864, 524, 531.

Mycoderma vini, 1864, 524, 531, 532.
Myginda, 1868, 124; 1870, 17.
Myosotis, 1847, 514.
Myrica, 1868, 124; 1870, 17.
californica, 1875, 176.
Carolinensis, 1870, 205.
cerifera, 1851, 59; 1870, 205; 1875, 176.
Faya, 1870, 205.
gale, 1868, 188, 281.
inodora, 1875, 176.
Myricaceæ, 1868, 124; 1870, 17; 1875, 176.
Myriophyllum, 1847, 520.
verticillatum, 1864, 455.
Myristica moschata, 1870, 181, 200.
sebacea, 1859, 571.
Myristicaceæ, 1870, 175, 200.
Myrobalanus belerica, 1859, 322.
Myrospermum Peruiferum, 1870, 185.
toluiferum, 1870, 185.
Myrrhis, 1847, 515.
Myrsinaceæ Floridana, 1875, 167.
Myrtaceæ, 1857, 274; 1870, 174, 177, 179, 184, 194, 199, 200; 1875, 163.
Myrtus communis, 1854, 402.

N.

Næmaspora (see Nemaspora).
Nageia, 1868, 124; 1870, 17.
Napus, 1847, 518.
Narcissus pseudo-narcissus, 1864, 344.
Nardus, 1847, 513.
stricta, 1847, 159.
Narthex asafœtida, 1870, 183.
Nasturtium Indicum, 1859, 356.
officinale, 1859, 356.
palustre, 1868, 187.
terrestre, 1859, 357.
Nauclea gambir, 1870, 184.
Negundo, 1860, 427; 1868, 123; 1870, 17.
aceroides, 1860, 417, 420; 1868, 200, 281; 1870, 231; 1872, 163; 1875, 158, 342, 355.
Californicum, 1860, 430, 432; 1875, 158.
Nelumbium codophyllum, 1859, 325.
luteum, 1859, 325; 1862, 157; 1866, 171; 1876, 62.
speciosum, 1859, 310, 312, 316, 325.
Nemaspora, 1865, 332; 1872, 196, 197.
Nemastylis gemmiflora, 1862, 162.
Nemopanthes, 1868, 124; 1870, 17.
Nemophila, 1862, 161.
atomaria, 1857, 271.
Nepeta, 1847, 517.
cataria, 1854, 363; 1857, 272; 1865, 515.
citriodora, 1857, 272.
glechoma, 1865, 515.
Nephelium lappaceum, 1859, 336.
longamum, 1859, 336; 1870, 14.
rimosum, 1859, 336.
Nephrodium esculentum, 1859, 329.
Nerium tinctorium, 1873, 257.
Nicandra physaloides, 1857, 270.
Nicotiana rustica, 1862, 123.
tabacum, 1862, 123.
Niebuhria oblongifolia, 1859, 337.
Nigella nana, 1857, 265.
Nitella, 1864, 461.
translucens, 1864, 455.
flexilis, 1864, 455.
Nitraria Billardieri, 1859, 347.
Nolana atriplicifolia, 1857, 271.
Nolanaceæ, 1857, 271.
Notylia albida, 1863, 376.
Nummularia, 1847, 514.
Nuphar advena, 1870, 407; 1876, 62.
Nuttalia cerasiformis, 1875, 161.
Nyalelia racemosa, 1859, 337.
Nyctaginaceæ, 1857, 267; 1875, 169.
Nymphæa, 1847, 516.
cœrulea, 1859, 312.
edulis, 1859, 312.
lotus, 1855, xxx; 1859, 308, 312.
odorata, 1862, 157; 1876, 62.
Nyssa, 1860, 427; 1868, 123; 1870, 17; 1872, 172.
aquatica, 1875, 164.
capitata, 1875, 164.
coccinea, 1860, 422.
multiflora, 1860, 420; 1864, 344; 1868; 281; 1875, 164.
uniflora, 1860, 421; 1875, 164.

O.

Oakesia Conradii, 1864, 344.
Ocymum basilicum, 1854, 335.
minimum, 1854, 335.
Odontostemum Hartwegi, 1870, 422.
Œnanthe, 1847, 515.
crocata, 1857, 275.
Œnocarpus bacaba, 1870, 179.
Œnothera, 1862, 160; 1866, 127, 129.
biennis, 1859, 329.
grandiflora, 1859, 329.
muricata, 1859, 329.
parviflora, 1859, 329.
suaveolens, 1859, 329.
tenella, 1857, 274.
tetraptera, 1857, 274.
Oidium, 1859, 134; 1861, 496, 497; 1862, 210; 1864, 355; 1869, 512; 1874, 174, 175, 177.
albicans, 1865, 546.
fructigenum, 1845, 238; 1865, 546.
Tuckeri, 1865, 325, 329, 332, 546; 1871, 111, 116; 1874, 174, 177, 438.
Olacineæ, 1875, 156.
Olea, 1868, 124; 1870, 17.
Americana, 1860, 421; 1875, 168.
Europæa, 1854, xxvii; 1859, 323; 1860, 33; 1867, 146; 1870, 178; 1876, 67, 68, 287.
fragrans, 1859, 15.
latifolia, 1859, 113,
longifolia, 1859, 112.
Oleaceæ, 1868, 124; 1870, 17, 178; 1875, 168.
Oleineæ, 1868, 124.
Olneya tesota, 1860, 434; 1870, 411; 1875, 159, 357.
Omphalea diandra, 1859, 321.
triandra, 1859, 321.
Onagraceæ, 1857, 274.
Ononis, 1847, 519; 1857, 268; 1868, 123; 1870, 17.
arvenis, 1875, 121.

Onopordum, 1847, 519.
acanthium, 1857, 274.
tauricum, 1857, 274.
Ophrys, 1847, 520.
Opopanax Chironium, 1870, 189.
Opuntia, 1863, 371; 1868, 270.
arborescens, 1860, 434; 1875, 163.
Camanchica, 1870, 417.
Engelmanni, 1870, 417.
ficus, 1859, 333.
occidentalis, 1870, 417.
Rafinesquii, 1870, 417.
vulgaris, 1859, 333; 1870, 417.
Orchidaceæ, 1863, 373; 1866, 126; 1870, 190.
Orchis, 1847, 520.
spectabilis, 1864, 344.
Oreodaphne Californica, 1860, 432; 1875, 169.
Origanum, 1847, 517.
vulgare, 1857, 119; 1859, 103; 1870, 174.
Ornithogalum croceum, 1862, 162.
Pyrenaicum, 1857, 263.
umbellatum, 1865, 517.
Ornithopus sativus, 1854, xxiii.
Ornus, 1868, 124.
Europæa, 1870, 184.
rotundifolia, 1870, 184.
Orobanche ramosa, 1847, 339.
Orobus, 1847, 518.
niger, 1857, 269.
Oryza, 1868, 114.
sativa, 1859, 304.
Oryzopsis asperifolia, 1866, 127; 1870, 218.
Canadensis, 1870, 218.
micrantha, 1870, 218.
Osmorrhiza longistylis, 1865, 512.
Osyris Japonica, 1859, 359.
Ostrya, 1868, 124; 1870, 16.
Virginica, 1849, 479; 1860, 417; 1875, 175.
Oxalis, 1847, 516.
arracacha, 1859, 355.
cernua, 1859, 355.
crassicaulis, 1859, 311, 355.
esculenta, 1859, 311, 355.
enneaphylla, 1859, 311.
Plumieri, 1859, 355.
tetraphylla, 1859, 311.
tuberosa, 1859, 311.
violacea, 1859, 311; 1862, 158.
zonata, 1859, 355.
Oxycoccus macrocarpus, 1857, 237.
Oxydendrum, 1860, 427; 1868, 123; 1870, 16.
arboreum, 1860, 420; 1868, 281; 1875, 165.
Oxyria digyna, 1870, 422.
reniformis, 1868, 188.
Oxytropis Lamberti, 1874, 160.
Oxyura chrysanthemoides, 1857, 273.

P.

Pachyma, 1859, 320.
cocos, 1870, 424.
Pachyrhizus angulatus, 1859, 311.
Padina pavonia, 1860, 67.
Padus, 1847, 516.
Pæderia fœtida, 1870, 14.
Pæonia, 1857, 266.
Paliurus, 1868, 123; 1870, 17.
Paliurus aculeatus, 1854, 410; 1869, 171.
Palma Christi, 1841, 81.
Palmaceæ, 1870, 177, 179, 197; 1875, 186.
Panax horridum, 1868, 187; 1870, 407.
trifolium, 1864, 344.
Pandanus odoratissimus, 1859, 329.
Pangium edule, 1859, 32.
Panicum, 1870, 420; 1874, 158.
capillare, 1865, 518; 1870, 219, 224.
clandestinum, 1870, 219.
crus-galli, 1849, 156; 1865, 518; 1870, 220.
depauperatum, 1870, 220.
dichotomum, 1870, 220.
Dioscorides, 1865, 300.
frumentaceum, 1859, 306.
filiforme, 1870, 222, 224.
Germanicum, 1854, xxii; 1855, xiii; 1856, 306.
jumentorum, 1855, xxx; 1866, 419; 1874, 158.
latifolium, 1870, 220.
maximum, 1873, 238.
miliaceum, 1857, 262; 1859, 305; 1874, 158.
obtusum, 1866, 128; 1870, 220.
pauciflorum, 1866, 128; 1870, 220.
sanguinale, 1865, 518; 1866, 128; 1869, 88; 1870, 220, 224.
virgatum, 1866, 128; 1870, 220.
xanthophysum, 1870, 220.
Panis Tataricus, 1859, 354.
Papaver, 1847, 517.
amœnum, 1857, 266.
dubium, 1865, 510.
orientale, 1857, 266.
rhœas, 1860, 67; 1865, 510.
somniferum, 1855, xxi; 1857, 266; 1859, 325; 1860, 131; 1862, 23; 1869, 233; 1870, 180, 206.
Papaveraceæ, 1857, 266; 1870, 180, 181.
Papaya vulgaris, 1859, 331; 1860, 422; 1870, 14.
Papilionaceæ, 1868, 123.
Pappea capensis, 1859, 344.
Pappophorum boreale, 1870, 218.
Parinarium campestre, 1859, 322.
montanum, 1859, 322.
Senegalense, 1859, 322, 344.
Parkinsonia aculeata, 1860, 434; 1875, 160.
microphylla, 1860, 434; 1875, 160.
Parmelia esculenta, 1859, 312.
Parnassia, 1847, 515.
Paspalum, 1849, 157; 1860, 237.
dilatatum, 1874, 440.
sericeum, 1866, 128.
setaceum, 1870, 219.
toloniferum, 1869, 88.
vaginatum, 1866, 128.
Passiflora, 1854, 61.
Herbertiana, 1857, 264.
incarnata, 1868, 205.
Pastinaca sativa, 1854, 370; 1857, 275; 1859, 328; 1865, 512; 1867, 312.
Paullinia, 1859, 132.
Cupana, 1870, 197.
sorbilis, 1870, 196.
Paulownia, 1868, 124; 1870, 17.

Paulownia imperialis, 1868, 200, 203; 1872, 144.
Pectis, 1866, 129.
angustifolia, 1866, 126.
Pedaliaceæ, 1857, 272; 1859, 21; 1870, 173.
Pedicularis, 1847, 517.
Canadensis, 1862, 160.
lanceolata, 1862, 160.
Pelargonium, 1857, 266.
capitatum, 1845, 321.
Penicillaria spicata, 1859, 306, 307.
Penicillium, 1849, 396, 398, 399; 1872, 197.
Armeniacum, 1874, 175.
crustaceum, 1876, 81.
glaucum, 1871, 233; 1873, 187, 190, 196; 1874, 175; 1875, 81.
Pennisetum viride, 1866, 128.
Pentadesma butyracea, 1859, 344.
Penstemon, 1857, 272.
acuminatus, 1866, 126.
albidus, 1866, 126, 128.
barbatus, 1866, 126, 128.
cobæa, 1866, 126, 128.
dasyphyllus, 1866, 128.
digitalis, 1862, 160.
dissectum, 1862, 160.
Fendlerii, 1866, 128.
glaber, 1866, 126.
glaucus, 1866, 126.
gracilis, 1866, 126, 128.
grandiflora, 1862, 160.
grandiflorum, 1866, 126.
Hallii, 1866, 126.
humilis, 1866, 126.
imberbis, 1866, 126, 128.
procerus, 1866, 126.
pubescens, 1862, 160; 1866, 128.
spectabilis, 1866, 128.
Pereskia aculeata, 1859, 333.
Periploca, 1868, 124; 1870, 17.
Pernettya, 1868, 123; 1870, 16.
Peronospora, 1865, 16; 1872, 193; 1874, 178.
infestans, 1865, 329; 1868, 231, 232; 1873, 186, 187, 188, 190, 191, 194, 196; 1874, 178.
viticola, 1874, 176.
Persea, 1860, 423; 1868, 124; 1870, 17.
Carolinensis, 1860, 421; 1875, 169.
Catesbyana, 1875, 169.
gratissima, 1859, 348.
Persica vulgaris, 1859, 339.
Persicaria, 1847, 515.
Petroselinum sativum, 1854, 369; 1857, 275.
Petunia odorata, 1857, 270.
Peucedanum ambiguum, 1870, 407.
Phacelia, 1862, 161; 1866, 129.
parviflora, 1868, 281.
tanacetifolia, 1857, 271.
Phalaris, 1847, 513; 1860, 235.
Americana, 1849, 157.
angusta, 1866, 128.
arundinacea, 1866, 128; 1869, 88, 90; 1870, 219.
Canariensis, 1857, 262.
intermedia, 1874, 158.
Phallus esculentus, 1854, 364.
Pharnaceum, 1857, 267.
Phaseolus, 1849, 158; 1853, 222; 1867, 314; 1870, 422.
aconitifolius, 1859, 318.
Phaseolus aureus, 1859, 318.
calcaratus, 1859, 318.
coccineus, 1859, 318.
derasus, 1859, 318.
farinosus, 1859, 318.
lathyroides, 1859, 318.
lunatus, 1859, 318.
Max, 1859, 318.
Mungo, 1859, 318.
multiflorus, 1857, 269; 1859, 318.
nanus, 1859, 317; 1867, 313.
radiatus, 1859, 318.
torosus, 1859, 318.
tunkinensis, 1859, 318.
vulgaris, 1854, 336; 1859, 317; 1860, 59; 1864, 312; 1867, 311, 313.
Phellandrium, 1847, 515.
Pherosphæra, 1868, 124.
Philadelphus, 1868, 123; 1870, 16.
coronarius, 1857, 490.
Phillyrea latifolia, 1854, 402.
Phleum, 1853, 397.
Alpinum, 1868, 189; 1870, 218.
pratense, 1853, 211; 1855, 248; 1858, 308; 1860, 129; 1861, 350; 1865, 272; 1868, 189; 1870, 226, 585; 1875, 205.
Phlox, 1862, 161; 1866, 129.
Phœnix dactylifera, 1855, liv; 1857, 262; 1859, 329; 1860, 33; 1867, 145; 1870, 14.
farinifera, 1859, 313.
Pholiota mutabilis, 1876, 79.
squarrosus, 1876, 79.
Phormium tenax, 1847, 166; 1855, xxxiii; 1862, 113; 1863, 108; 1865, 34; 1869, 61; 1870, 20; 1871, 5, 173.
Photinia, 1868, 123.
arbutifolia, 1860, 433; 1875, 162.
serrulata, 1859, 133.
Phragmites communis, 1870, 219.
Phylica, 1857, 270.
Phyllanthus Emblica, 1859, 337.
Phyllocladus, 1868, 124.
trichomanoides, 1859, 135.
Phyllodoce, 1868, 123; 1870, 16.
Physalis, 1866, 129.
Physostegia Virginiana, 1862, 161.
Phytolacca, 1859, 102.
decandra, 1857, 267; 1859, 357; 1864, 534; 1865, 516; 1873, 157; 1874, 133.
esculenta, 1859, 357, 358.
Phytolaccaceæ, 1857, 267.
Picea bracteata, 1868, 124; 1870, 17.
brevebracteata, 1868, 124; 1870, 17.
Cephalonica, 1859, 101; 1875, 358.
Picris echioides, 1857, 274.
Pimento dulce, 1876, 288.
Pimpinella, 1847, 515.
anisum, 1870, 179.
Pinaceæ, 1857, 263.
Pinckneya pubens, 1860, 422; 1875, 165.
Pinguicula, 1847, 513.
Pinus, 1860, 427, 432; 1868, 113, 124; 1870, 17.
albicaulis, 1875, 180.
aristata, 1875, 180.
australis, 1875, 179.

Pinus, Balfouriana, 1875, 180.
Banksiana, 1860, 417; 1875, 177.
brachyptera, 1875, 357.
Cembra, 1859, 323; 1868, 177.
Chihuahuana, 1860, 434.
Chihuahua, 1875, 180.
clausa, 1875, 178.
contorta, 1860, 431; 1867, 218; 1868, 177, 185; 1870, 411, 413; 1875, 177, 356.
contorta, var. Bolanderi, 1875, 177.
Coulteri, 1860, 433; 1870, 411; 1875, 179.
edulis, 1859, 14, 41; 1860, 434; 1870, 411; 1875, 178, 356, 357.
Elliotti, 1875, 178.
excelsa, 1859, 135.
flexilis, 1860, 429; 1875, 180.
glabra, 1875, 178.
inops, 1860, 420; 1875, 178.
insignis, 1860, 432; 1875, 179.
Lambertiana, 1860, 432; 1870, 411; 1875, 180, 358.
larix, 1860, 66.
mitis, 1860, 420; 1875, 178.
monophylla, 1860, 430; 1870, 411; 1875, 178.
monticola, 1860, 431; 1875, 180.
muricata, 1860, 433; 1875, 178.
palustris, 1860, 421.
Parryana, 1870, 411; 1875, 178.
patula, 1859, 135.
picea, 1860, 67.
pinea, 1857, 263; 1859, 323; 1860, 32.
ponderosa, 1860, 431; 1875, 178; 342, 356, 357.
var. Benthamiana, 1875, 178.
var. Jeffreyi, 1875, 179.
pumilis, 1861, 636.
pungens, 1860, 420; 1875, 178.
radiata, 1875, 179.
resinosa, 1860, 417; 1875, 178.
regida, 1860, 419; 1875, 179.
Sabiniana, 1860, 432; 1870, 411; 1875, 179.
serotina, 1860, 421; 1875, 179.
strobus, 1860, 417; 1875, 180.
sylvestris, 1855, l; 1860, 66, 67.
tæda, 1856, 138; 1860, 421; 1875, 179.
Torreyana, 1860, 433; 1875, 179.
uncinata, 1855, l.
Wislizeni, 1860, 429.
Piper betel, 1870, 14.
cubeba, 1870, 14.
nigrum, 1870, 201.
Piperaceæ, 1870, 181, 201, 202.
Piscidia erythrina, 1860, 423; 1875, 159.
Pistacia, 1868, 123; 1870, 17.
lentiscus, 1855, lviii; 1870, 185.
Mexicana, 1860, 433; 1875, 159.
terebinthus, 1859, 20, 322.
Palæstina, 1859, 323.
vera, 1854, xxxii; 1859, 20, 322; 1860, 33; 1861, 533.
Pistia natans, 1866, 418.
Pisum, 1847, 519; 1849, 158.
Abyssinicum, 1859, 317.
Pisum arvense, 1859, 317.
Jomardi, 1859, 317.
maritimum, 1859, 317.
ochrus, 1859, 317.
sativum, 1854, 370; 1857, 269; 1859, 317; 1864, 313; 1867, 311.
Pithecolobium Unguis-cati, 1875, 161.
Pittosporum, 1859, 100, 132.
Planera, 1860, 427; 1868, 124; 1870, 17.
aquatica, 1860, 422; 1875, 171.
Plantaginaceæ, 1857, 271.
Plantaginella, 1847, 518.
Plantago cynops, 1857, 271.
lanceolata, 1847, 246; 1865, 515.
major, 1865, 515.
media, 1857, 271.
Platanaceæ, 1868, 124; 1870, 16; 1875, 171.
Platanthera obtusata, 1866, 127.
Platanus, 1844, 411; 1868, 124; 1870, 16.
occidentalis, 1844, 216; 1859, 14; 1860, 419; 1870, 171; 1875, 171, 342.
orientalis, 1870, 171.
racemosa, 1860, 432; 1875, 171.
Wrightiana, 1875, 171.
Platycrater arguta, 1870, 199.
Pleurotus glandulosus, 1876, 79.
ostreatus, 1876, 79.
Pometi, 1876, 79.
salignus, 1876, 79.
tessulatus, 1876, 79.
ulmarius, 1876, 79.
Plocaria lichenoides, 1859, 312.
Plukenetia corniculata, 1859, 359.
Poa, 1847, 513; 1853, 396; 1868, 188.
Andina, 1866, 127; 1870, 219.
angustifolia, 1847, 159; 1854, 392; 1873, 408.
annua, 1868, 188; 1869, 88; 1870, 219.
Alpina, 1870, 219.
aquatica, 1869, 88; 1870, 19.
arctica, 1866, 127; 1868, 188; 1870, 219.
australis, 1874, 439.
Brownii, 1874, 440.
cenisia, 1868, 188.
compressa, 1851, 440.
crocata, 1870, 219.
nemoralis, 1854, 392; 1868, 177, 188; 1869, 88, 90; 1870, 219, 226.
palustris, 1860, 76.
pratensis, 1845, 1013; 1854, 190, 392; 1860, 129; 1864, 227; 1865, 489; 1866, 366; 1867, 295; 1868, 177, 188; 1869, 88, 90, 169; 1870, 19, 219, 225.
rotundata, 1868, 188.
serotina, 1870, 219, 220, 224, 226.
stenantha, 1868, 188.
trivialis, 1854, xxv, 392; 1860, 76, 129; 1866, 366; 1869, 88, 90.
viridis, 1856, 410.
Podalyria, 1857, 268.
Podocarpus, 1868, 124.
Podophyllum callicarpum, 1859, 351.
peltatum, 1859, 351; 1860, 501; 1870, 183.
Pogostemon patchouli, 1870, 175.
Poisonia obtusata, 1875, 169.
Polanisia trachysperma, 1866, 129.
Polemoniaceæ, 1857, 271.
Polemonium cœruleum, 1857, 271.

Polemonium gracile, 1857, 271.
reptans, 1862, 161.
Polyala, 1847, 518.
paucifiora, 1864, 344.
Polygaster lampodarius, 1859, 319.
Polygonaceæ, 1857, 267; 1868, 124; 1875, 169.
Polygonum, 1847, 515; 1876, 62.
aviculare, 1870, 224.
bistorta, 1859, 315.
emarginatum, 1857, 307.
fagopyrum, 1857, 267; 1859, 306, 307; 1864, 311.
hydropiper, 1865, 516; 1872, 132.
parvifolium, 1865, 517.
Persicaria, 1865, 516; 1868, 281.
Pennsylvanicum, 1865, 516.
sagittatum, 1865, 517.
Tataricum; 1859, 306.
tinctorium, 1845, 319; 1860, 474.
viviparum, 1868, 175, 188.
Polypetalæ, 1868, 122.
Polypodium dichotomum, 1859, 329.
medullare, 1859, 329.
Polyporus destructor, 1849, 398.
leucomelas, 1876, 80.
ovinus, 1859, 319; 1876, 80.
poripes, 1876, 80.
Polysiphonia elongata, 1860, 68.
Pomaceæ, 1857, 270.
Pomeæ, 1868, 123.
Pongamia glabra, 1870, 174.
Pontederiæ, 1856, 155; 1876, 62.
Populus, 1847, 521; 1860, 427; 1868, 113, 124; 1870, 16.
alba, 1857, 490, 491; 1871, 72.
angulata, 1860, 421; 1875, 177, 342.
angustifolia, 1860, 429; 1872, 162; 1875, 177.
balsamifera, 1857, 490; 1860, 417; 1868, 176; 1872, 162; 1875, 177.
balsamifera, var. candicans, 1875, 342.
Canadensis, 1860, 419.
candicans, 1860, 417; 1870, 230.
dilatata, 1870, 231,
fastigiata, 1854, 217.
grandidentata, 1860, 417; 1875, 177.
heterophylla, 1860, 429; 1875, 177.
monilifera, 1860, 424, 429; 1870, 231; 1871, 350; 1872, 162; 1875, 177, 342, 344.
tremuloides, 1860, 417; 1868, 176; 1875, 177, 342.
trichocarpa, 1860, 433; 1875, 177.
quadrangulata, 1875, 344.
Porphyra laciniata, 1866, 424.
purpurea, 1859, 312.
vulgaris, 1866, 424.
Portulaca, 1844, 141.
lutea, 1859, 357.
oleracea, 1859, 355; 1870, 422.
Portulacaceæ, 1857, 267.
Potamogeton, 1847, 514; 1876, 62.
densus, 1864, 453, 454, 455.
Potamogeton natans, 1864, 454, 455.
crispus, 1864, 454, 455.
Potentilla, 1847, 516; 1864, 311; 1868, 123; 1870, 16.
Canadensis, 1864, 344; 1865, 511.
Nepalensis, 1857, 270.
Norvegica, 1865, 511.
Pourretia tuberculata, 1859, 321.
Prenanthes muralis, 1848, 240.
Prichardia filamentosa, 1875, 186.
Primula, 1847, 514.
auricula, 1863, 376.
Pringlea antiscorbutica, 1859, 359.
Prosopis flexuosa, 1859, 333.
(Algaroba) glandulosa, 1870, 189; 1871, 503; 1875, 160, 356.
horrida, 1859, 333.
pubescens, 1875, 357.
siliquastrum, 1859, 333.
spicigera, 1859, 333.
Proteaceæ, 1857, 268.
Protococcus nivalis, 1864, 531.
Protomyces solani, 1845, 670, 682.
Prunella, 1868, 281.
Prunus, 1868, 107, 123; 1870, 16.
Americana, 1860, 417; 1865, 207; 1866, 129; 1870, 418; 1875, 161, 342.
amygdalina, 1859, 340.
Andersonii, 1875, 161.
Armeniaca, 1859, 340.
avium, 1859, 340.
Caroliniana, 1875, 161.
cerasina, 1859, 340.
cerasus, 1857, 490, 491; 1859, 340; 1872, 168.
Chicasa, 1859, 570; 1860, 422; 1865, 207; 1866, 126, 129; 1875, 161.
communis, 1857, 490.
demissa, 1866, 129; 1875, 161.
domestica, 1849, 480; 1854, xxix; 1857, 490; 1859, 340; 1867, 146; 1868, 113; 1872, 168.
gracilis, 1866, 129.
ilicifolia, 1875, 161.
insititia, 1859, 340.
mahaleb, 1868, 203; 1869, 171.
maritima, 1854, 405.
mollis, 1875, 161.
padus, 1868, 201; 1869, 171.
Pennsylvanica, 1872, 178; 1875, 161, 342.
prunaria, 1859, 340.
(cerasus) prostrata, 1859, 341.
pumila, 1868, 202; 1870, 418; 1875, 342.
rivularis, 1875, 161.
serotina, 1868, 200; 1875, 161, 342.
spinosa, 1854, 394, 417; 1857, 490.
subcordata, 1860, 432; 1866, 129.
umbellata, 1865, 207; 1875, 161.
ursina, 1859, 340.
Virginiana, 1872, 178; 1875, 161, 342.
Psalliota amygdalinus, 1876, 80.
arvensis, 1876, 80.
campestris, 1876, 80.
cretaceus, 1876, 80.
sylvaticus, 1876, 80.
Pseudolarix, 1868, 124; 1870, 17.

Psidium aromaticum, 1859, 349.
buxifolium, 1860, 422.
Cattleyanum, 1859, 349.
grandiflorum, 1859, 349.
Guaiva, 1867, 144.
Guineense, 1859, 349.
lineatifolium, 1859, 348, 349.
pomiferum, 1859, 348, 349.
pyriferum (or pyriforme), 1859, 348; 1875, 163.
sapidissimum, 1859, 349.
Psoralea bituminosa, 1857, 268.
esculenta, 1870, 408, 423, 427.
glandulosa, 1870, 193.
Ptelea, 1868, 123; 1870, 17.
angustifolia, 1875, 156.
trifoliata, 1860, 419; 1869, 171; 1872, 163; 1875, 156; 1875, 342.
Pteris, 1847, 521.
aquilina, 1865, 519; 1870, 408.
Pterocarpus erinaceus, 1870, 14, 186.
marsupium, 1870, 14, 186.
Pterocarya, 1868, 124; 1870, 16.
Puccinia, 1844, 266; 1849, 392; 1872, 196.
graminis, 1865, 519; 1868, 232.
Pulsatilla, 1847, 517.
Pultenæa, 1857, 268.
Punica, 1860, 34; 1870, 16.
granatum, 1859, 342; 1867, 144.
Puya Bonplandiana, 1859, 313.
Pyrethrum, 1861, 228, 229, 230, 232; 1874, 133.
carneum, 1857, 129; 1861, 224; 1864, 544.
Caucasicum, 1858, 270; 1859, 13, 19.
elongatum, 1861, 226.
pedunculare, 1861, 226.
purpureum, 1857, 129.
rigidum, 1865, 92.
roseum, 1857, 129; 1861, 224, 226; 1865, 92; 1872, 136.
Willemoti, 1861, 223, 225, 227; 1865, 92.
Pyrola, 1847, 516.
Pyrus Americana, 1875, 162.
angustifolia, 1875, 162.
coronaria, 1875, 161.
rivularis, 1875, 162.

Q.

Quadria heterophylla, 1859, 321.
Quamoclit vulgaris, 1868, 205.
Quassia amara, 1855, lix.
Quercus, 1847, 520; 1860, 427; 1868, 112, 124; 1870, 16; 1875, 342.
acutidens, 1860, 433.
ægilops, 1855, liii; 1859, 103, 314.
agrifolia, 1860, 432; 1870, 409; 1875, 173.
alba, 1849, 478; 1860, 417; 1864, 347; 1867, 297; 1875, 173.
alba var. Gunnisonii, 1875, 356.
aquatica, 1860, 421; 1875, 174.
ballota, 1859, 314.
bicolor, 1875, 173.
Californica, 1860, 432.
castanea, 1859, 314; 1860, 419.
Catesbæi, 1875, 174.
chrysolepis, 1860, 432; 1875, 173.
cinera, 1860, 421; 1875, 174.
coccifera, 1855, l.
coccinea, 1860, 420; 1875, 174.
confertifolia, 1860, 434.
densiflora, 1860, 433; 1875, 173.
discolor, 1860, 419.
Douglassii, 1860, 433; 1875, 173.
dumosa, 1875, 175.
Durandii, 1875, 174.
edulis, 1859, 314.
Emoryii, 1860, 434; 1870, 409; 1875, 174.
esculus, 1859, 314.
falcata, 1860, 421; 1875, 174.
Gambellii, 1860, 434.
Garryana, 1860, 431; 1875, 173.
gramuntia, 1855, xlix.
heterophylla, 1868, 202.
Hindsii, 1860, 433; 1870, 409.
Hispanica, 1855, xvii.
hypoleuca, 1875, 174.
ilex, 1854, 402; 1859, 100, 101, 135.
imbricaria, 1860, 420; 1868, 200; 1875, 174.
infectoria, 1855, liv.
laurifolia, 1875, 174.
lobata, 1860, 433; 1870, 409; 1875, 173.
Lusitanica, 1859, 324.
lyrata, 1860, 421; 1875, 173.
macrocarpa, 1860, 417, 419; 1875, 172.
Michauxii, 175, 173.
monticola, 1860, 419.
nigra, 1860, 421; 1875, 174.
oblongifolia, 1860, 434; 1870, 409; 1875, 174.
obtusiloba, 1860, 417, 420.
palustris, 1856, 57; 1860, 420; 1875, 175.
pedunculata, 1859, 314; 1868, 201, 202.
Persica, 1859, 314.
phillos, 1860, 421; 1868, 200; 1875, 174.
prinus, 1860, 421; 1875, 173.
prinus var. acuminata, 1859, 314; 1875, 173.
prinus var. monticola, 1875, 173.
pyrami, 1859, 314.
reticulata, 1875, 175.
robur, 1857, 263; 1859, 314; 1860, 66.
rubra, 1860, 417; 1875, 174, 175.
sessiflora, 1854, 415.
Sonomensis, 1875, 175.
stellata, 1875, 173.
suber, 1854, xxxiii; 1855, xviii; 1858, 334; 1859, 14, 324; 1876, 287.
tinctoria, 1860, 419; 1875, 175.
undulata, 1875, 173.
virens, 1859, 100, 322; 1860, 421; 1873, 182; 1875, 174.
Wislizenii, 1875, 175.
Quillaia saponaria, 1867, 471.

R.

Randia clusiæfolia, 1875, 165.
Ranunculaceæ, 1857, 265; 1870, 183.
Ranunculus, 1847, 517; 1862, 157; 1868, 106.
acris, 1864, 344; 1865, 510.
affinis, 1866, 128.
bulbosus, 1865, 510.
Caucasicus, 1857, 265.
divaricatus, 1866, 128.
(Ficaria) edulis, 1859, 356.
ficaria, 1859, 308, 352, 356.
repens, 1864, 344; 1866, 128.
Raphanistrum maritimum, 1859, 327.
Raphanus, 1847, 518.
raphanistrum, 1865, 510.
rusticanus, 1869, 136.
sativus, 1854, 376; 1859, 325, 327; 1867, 298.
Reseda, 1847, 517.
luteola, 1844, 320.
odorata, 1857, 231.
Retinospora, 1868, 124; 1869, 174; 1870, 17.
Rhagadiolus stellatus, 1857, 274.
Rhamnaceæ, 1857, 240, 270; 1868, 123; 1870, 17, 194, 197; 1875, 157.
Rhamnus, 1847, 514; 1868, 123; 1870, 17.
alaternus, 1854, 396.
alnifolius, 1860, 430; 1875, 342.
catharticus, 1854, 394, 408; 1868, 196, 245; 1871, 349.
croceus, 1870, 414.
Rheedia lateriflora, 1859, 351.
Rheum, 1868, 114, 175.
australe, 1848, 604; 1850, 525.
compactum, 1850, 525.
Emodi, 1848, 604, 605; 1871, 105.
hybridum, 1850, 524.
monachorum, 1848, 607.
palmatum, 1850, 524, 525; 1855; xxv; 1871, 105.
rhaponticum, 1850, 524, 525; 1854, 376; 1871, 105.
succedaneum, 1859, 14.
undulatum, 1850, 524.
Webbianum, 1871, 105.
Rhexia, 1859, 560; 1862, 159.
Rhinanthus, 1847, 517.
Rhizophora Americana, 1860, 422.
mangle, 1875, 163.
Rhizophoraceæ, 1875, 163.
Rhododendron, 1859, 132; 1870, 16; 1871, 413.
arboreum, 1859, 135.
Californicum, 1875, 165.
Catawbiense, 1862, 156.
ferrugineum, 1870, 171.
Indicum, 1867, 306.
Javanicum, 1867, 306.
Lapponicum, 1863, 469.
maximum, 1857, 119; 1860, 419, 431; 1862, 156; 1868, 123; 1875, 165.
Ponticum, 1867, 298, 306.
Rhodomenia ciliata, 1859, 312.
palmata, 1859, 312; 1866, 424, 427.
Rhodora, 1868, 123; 1870, 16.
Rhodorrhiza scoparia, 1870, 181.
Rhodospermeæ, 1866, 424.
Rhopala Corcovadensis, 1859, 132.
Rhus, 1857, 266; 1861, 376; 1862, 393; 1868, 115, 123; 1870, 17.
aromatica, 1869, 230; 1875, 342.
copallina, 1869, 230; 1875, 159, 342.
coriaria, 1844, 320; 1854, xxxiv; 1859, 111; 1869, 230.
cotinoides, 1860, 420; 1869, 230.
cotinus, 1844, 320; 1869, 230; 1874, 426.
glabra, 1860, 417; 1869, 230; 1872, 141; 1875, 120, 159, 342.
integrifolia, 1875, 159.
Laurina, 1875, 159.
metopum, 1860, 423; 1869, 230; 1875, 159.
microphylla, 1860, 434; 1875, 159.
pumila, 1869, 230.
succedanea, 1851, 59; 1859, 14, 570; 1860, 138; 1870, 205.
toxicodendron, 1865, 511; 1868, 204; 1869, 504; 1875, 342.
typhina, 1857, 490, 491; 1860, 419; 1868, 201; 1869, 230; 1875, 158, 342.
venenata, 1860, 419; 1865, 511; 1875, 159.
vernicifera, 1870, 205.
Ribes, 1859, 344; 1868, 123; 1870, 16, 414.
aureum, 1866, 126; 1870, 414.
bracteosum, 1868, 187.
cynosbati, 1865, 208; 1875, 342.
floridum, 1866, 126.
grossularia, 1857, 490, 491; 1859, 346.
hirtellum, 1870, 414.
Hudsonianum, 1868, 187.
Johannis, 1859, 346.
lacustre, 1866, 126; 1868, 187.
nigrum, 1857, 490, 491; 1859, 350.
niveum, 1866, 129.
oxyacanthoides, 1866, 129.
prostratum, 1868, 187.
rubrum, 1857, 490, 491; 1859, 346; 1868, 187.
uva-crispa, 1859, 346.
Richardsonia scabra, 1874, 150.
Ricinus, 1861, 375.
communis, 1855, xxvii; 1857, 263; 1870, 178; 1874, 152.
minor, 1874, 152.
sanguinarius, 1874, 152.
Robinia, 1860, 427; 1868, 111, 123; 1870, 17.
Neo-Mexicana, 1860, 434; 1875, 159.
pseudacacia, 1857, 270, 490, 491; 1860, 420; 1863, 48; 1864, 343; 1868, 92, 201, 203; 1870, 76; 1875, 159.
viscosa, 1860, 420; 1875, 159.
Rœstelia lacerata, 1873, 183, 184, 185.
Rosa, 1847, 516; 1868, 115.
alba, 1864, 343.
Carolina, 1865, 511.
centrifolia, 1867, 306.
cinnamomea, 1868, 178, 187.
damascena, 1864, 343.
fraxinifolia, 1870, 415.
Gallica, 1867, 306.
Indica, 1854, 417; 1867, 306.

Rosa lævigata, 1854, 403; 1868, 245; 1871, 506.
lucida, 1865, 511.
Macartnea, 1871, 506.
microphylla, 1854, 417.
rubiginosa, 1854, 417; 1864, 343; 1865, 511.
Rosaceæ, 1857, 242, 270; 1859, 344; 1861, 175; 1868, 123; 1870, 16, 176; 1875, 161.
Rosea, 1870, 14.
Rosmarinus officinalis, 1854, 377, 403.
Rubia tinctorum, 1855, xxxiv; 1865, 347.
Rubiaceæ, 1868, 123; 1870, 16, 195; 1875, 165.
Rubigo, 1862, 77.
Rubus, 1847, 516; 1859, 344, 346; 1868, 106, 123; 1870, 16; 1875, 342.
arcticus, 1859, 347; 1868, 187.
cæsius, 1865, 511.
Canadensis, 1865, 511; 1870, 415.
chamæmorus, 1859, 347; 1866, 129; 1868, 178.
cuneifolius, 1865, 511.
deliciosus, 1866, 126.
fruticosus, 1854, 407.
Idæus, 1859, 347; 1861, 166.
leucodermis, 1866, 129.
Menziesii, 1866, 129.
Mexicana, 1866, 129.
Nutkanus, 1868, 187; 1870, 415.
occidentalis, 1856, 389; 1861, 166, 167, 168; 1865, 208; 1866, 126.
pedatus, 1868, 187.
spectabilis, 1868, 187; 1870, 415.
strigosus, 1861, 166, 168; 1865, 208; 1870, 414.
triflorus, 1866, 126.
villosus, 1854, 408; 1865, 511; 1870, 415.
Rudbeckia amplexicaulis, 1857, 273.
Rumex, 1847, 515; 1870, 422, 423.
acetosa, 1859, 355; 1868, 188.
acetosella, 1865, 517; 1869, 503.
Alpinus, 1848, 607.
crispus, 1865, 517.
domesticus, 1868, 188.
obtusifolius, 1857, 267; 1865, 517.
patientia, 1859, 355.
salicifolius, 1868, 188.
sativus, 1859, 355.
scutatus, 1859, 355.
Russula adusta, 1876, 80.
alutacea, 1876, 80.
lepida, 1876, 80,
ochroleuca, 1876, 80.
virescens, 1876, 80.
Ruta graveolens, 1854, 378.
Rutaceæ, 1857, 241; 1868, 123; 1870, 17.

S.

Sabal, 1870, 423.
Palmetto, 1875, 186.
Sabbattia, 1862, 161.
Sabina, 1868, 124.
Sabinæ, 1870, 17.
Saccharina fucus, 1866, 424.
Saccharum Chinense, 1859, 126.
officinarum, 1859, 126; 1864, 485.
Sageretia, 1868, 123; 1870, 17.
theezans, 1870, 194.
Sagittaria, 1847, 520.
sagittifolia, 1859, 312; 1864, 454.
variabilis, 1865, 517; 1870, 408.
Sagus farinifera, 1859, 313.
lævis, 1859, 313.
raphia, 1859, 313, 352.
Rumphii, 1859, 313.
Salicaceæ, 1868, 124, 177; 1870, 16; 1875, 176.
Salicornia, 1847, 513.
herbacea, 1859, 360.
Salisburia, 1860, 475; 1868, 124; 1870, 17.
adiantifolia, 1859, 323; 1868, 202; 1869, 182.
Salix, 1847, 520; 1851, 47; 1868, 117, 124; 1870, 16; 1875, 342.
alba, 1851, 47; 1870, 231; 1871, 506.
Babylonica, 1868, 202.
brachystachys, 1860, 431.
caprea, 1854, 418; 1868, 202.
decipiens, 1853, 207.
Forbyana, 1853, 207.
Hookeriana, 1860, 431.
lasiolepis, 1860, 433; 1875, 177.
longifolia, 1860, 430; 1875, 177.
lucida, 1860, 417; 1875, 177.
nigra, 1860, 419.
nigra, var. Parshina, 1875, 177.
pentandra, 1860, 430.
purpurea, 1853, 207.
rubra, 1853, 207.
speciosa, 1860, 430.
stipularis, 1853, 207.
subvillosa, 1860, 421.
triandra, 1853, 207.
viminalis, 1851, 47; 1853, 207; 1860, 32; 1872, 452; 1873, 254.
vitellina, 1853, 207.
Wrightii, 1860, 434.
Wrightiana, 1875, 177.
Salsola, 1866, 424.
Salvia, 1866, 129.
azurea, 1862, 160.
coccinea, 1862, 160.
lyrata, 1862, 160.
officinalis, 1854, 378; 1859, 102.
sclarea, 1854, 349.
Sambucus, 1847, 515; 1864, 534, 535; 1868, 123; 1870, 16.
Canadensis, 1865, 512; 1868, 108; 1872, 144.
glauca, 1875, 164.
niger, 1870, 614.
pubens, 1868, 187.
xanthocarpa, 1859, 347.
Samolus, 1847, 514.
Sandoricum Indicum, 1859, 337.
Sanguinaria Canadensis, 1862, 157; 1864, 344.
Sanguisorba, 1847, 514; 1862, 230.
Sanicula, 1847, 515.
Sanseviera zeylanica, 1854, 174.
Santalaceæ, 1868, 124.
Santalum lanceolatum, 1859, 347.
Sapindaceæ, 1868, 123; 1870, 17, 196; 1875, 157.
veræ, 1868, 123.

Sapindus, 1860, 427.
esculentus, 1859, 351.
fruticosus, 1859, 336.
marginatus, 1860, 421; 1870, 107, 412; 1875, 157.
Saponaria, 1875, 158.
Senegalensis, 1859, 344.
Saponaria alba, 1847, 252.
annua, 1857, 267.
Sapota achras, 1859, 349.
Sapotaceæ, 1868, 124; 1870, 190; 1875, 166.
Sarcobatus vermicularis, 1860, 430.
Sarcophyte, 1848, 212.
Sargassum cocciferum, 1860, 67.
vulgare, 1860, 67.
Sarothamnus, 1868, 123; 1870, 17.
Sarracenia purpurea, 1876, 62.
Sassafras, 1868, 124; 1870, 17.
officinale, 1860, 419; 1868, 203; 1875, 169.
Satureja hortensis, 1854, 379.
Montana, 1854, 379.
Satyrium, 1847, 520.
Saururaceæ, 1857, 267.
Saururus, 1857, 267.
Saxifraga, 1847, 516; 1862, 378; 1866, 129.
Pennsylvanica, 1864, 344.
rivularis, 1863, 469.
Virginiensis, 1862, 159.
Scabiosa, 1847, 513.
Scandix, 1847, 515.
brachycarpa, 1857, 275.
Schæfferea frutescens, 1875, 157.
Schinus molle, 1860, 434; 1875, 159.
Schizandra, 1868, 122; 1870, 16.
Schizanthus pinnatus, 1857, 272.
Schizonotus, 1868, 123; 1870, 16.
Schizopetalon Walkeri, 1857, 264.
Schleichera trijuga, 1859, 336.
Schmidelia edulis, 1859, 351.
serrata, 1859, 336.
Schubertia, 1872, 168.
Sciadopitys, 1868, 124; 1870, 17.
Scilla Fraseri, 1868, 452.
maritima, 1860, 33.
Scirpus, 1847, 513; 1860, 471.
lacustris, 1870, 408.
Scitamineæ, 1870, 172.
Scleranthus, 1847, 516.
Sclerotia, 1849, 399.
Sclerotium cocos, 1870, 425.
giganteum, 1870, 425; 1871, 98.
Scolymus maculatus, 1859, 358.
Scorpiurus sulcata, 1857, 269.
Scorzonella ptilophora, 1870, 409.
Scorzonera glastifolia, 1859, 328.
Hispanica, 1854, 380; 1857, 274; 1859, 328.
Laurentii, 1859, 328.
Scorphularia, 1847, 518; 1862, 160.
vernalis, 1857, 272.
Scutellaria, 1847, 517.
Scutia ferrea, 1875, 157.
Secale Anatolicum, 1859, 303.
cereale, 1857, 262; 1859, 303; 1864, 312.
cornutum, 1844, 259; 1860, 66.
fragile, 1859, 303.
montanum, 1859, 303.
villosum, 1859, 303.
Sedum, 1847, 516.
Selaginaceæ, 1857, 272.
Semecarpus anacardium, 1870, 190.
Sempervivum, 1847, 516.
Senebiera coronopus, 1859, 354.
Nilotica, 1859, 354.
Senecio, 1847, 519.
doronicum, 1857, 254.
vulgaris, 1865, 513.
Sequoia, 1868, 124; 1870, 17, 110.
gigantea, 1860, 432; 1866, 470; 1868, 579, 581; 1875, 184, 358.
sempervirens, 1860, 432; 1869, 63; 1870, 226; 1875, 184, 358.
Serjania lucida, 1869, 637.
Sarracenia purpurea, 1862, 157.
Serratula, 1847, 519.
Sesamum Indicum, 1859, 21; 1870, 14, 173.
orientale, 1845, 317; 1851, 51; 1854, 225, 229; 1855, 287; 1859, 325.
Sesleria dactyloides, 1853, 397; 1870, 219.
Setaria, 1860, 237, 471.
glauca, 1865, 518; 1870, 220.
verticillata, 1865, 518.
viridis, 1865, 518; 1870, 219.
Shepherdia, 1868, 124; 1870, 16.
argentia, 1869, 171; 1870, 415; 1875, 169, 342.
Canadensis, 1875, 342.
Sherardia, 1847, 513.
Shorea robusta, 1870, 187.
Sicyos angulata, 1865, 511.
edulis, 1847, 411.
Sida, 1857, 265.
esculenta, 1859, 358.
rhombifolia, 1843, 163.
tiliæfolia, 1860, 473.
Sideroxylon Palladium, 1875, 166.
Silene Armeria, 1857, 267.
inflata, 1857, 267.
pendula, 1857, 267.
quadridentata, 1857, 267.
stellata, 1862, 158.
Virginica, 1862, 158.
Silphium laciniatum, 1856, 99; 1857, 75; 1866, 128.
terebinthinaceum, 1866, 128.
Simaruba amara, 1875, 156.
glauca, 1860, 423; 1875, 156.
Simarubaceæ, 1857, 239; 1868, 123; 1870, 17; 1875, 156.
Sinapis, 1847, 518.
alba, 1844, 325; 1854, 367; 1870, 181, 204.
arvensis, 1845, 764; 1863, 116.
nigra, 1844, 325; 1854, 367; 1870, 204.
Siphonia Brasiliensis, 1870, 190.
brevifolia, 1870, 190.
elastica, 1859, 321; 1870, 190.
lutea, 1870, 190.
Sisymbrium, 1847, 518.
nasturtium, 1854, 350.
Sisyrinchium, 1862, 162.
Bermudiana, 1857, 262.
Sitanion elymoides, 1866, 128; 1870, 219.
Sium, 1847, 515; 1870, 71.
sisarum, 1854, 381; 1857, 275; 1859, 328.

Sloanea dentata, 1859, 315.
Smilacina racemosa, 1860, 501.
Smilax rotundifolia, 1865, 39, 517.
Smyrnium olusatrum, 1857, 275.
Sodada decidua, 1859, 344.
Soja hispida, 1854, xv; 1859, 318.
Japonica, 1859, 318.
Solanaceæ, 1857, 270; 1870, 201; 1871, 76.
Solaneæ, 1872, 203.
Solanum, 1847, 514; 1862, 161.
aviculare, 1859, 337.
cardiophyllum, 1859, 308.
Carolinense, 1865, 516; 1867, 63; 1870, 76; 1871, 75; 1874, 123.
Commersonii, 1859, 308.
demissum, 1859, 308.
esculentum, 1859, 357.
Fendleri, 1870, 409.
immite, 1859, 308.
lycopersicum, 1847, 411; 1854, 384.
maglia, 1859, 308.
melongena, 1844, 372; 1854, 352; 1859, 357.
nigrum, 1865, 516.
ovigerum, 1857, 270.
rostratum, 1870, 224.
tuberosum, 1845, 654; 1850, 50; 1854, xvii, 373; 1859, 308; 1867, 297, 311; 1868, 114, 225.
verrucosum, 1859, 308.
viride, 1859, 357.
Solidago, 1847, 519; 1868, 90, 110.
nemoralis, 1865, 513.
Sonchus, 1847, 519.
oleraceus, 1859, 356.
Sophora, 1859, 133; 1868, 123; 1870, 17, 110.
affinis, 1875, 160.
Japonica, 1868, 201, 203; 1869, 171.
speciosa, 1875, 160.
Sophoreæ, 1868, 123.
Sorbus, 1847, 516; 1859, 344.
aucuparia, 1857, 490, 491.
domestica, 1859, 345.
Sorghum, 1859, 306; 1861, 293, 311; 1864, 54.
bicolor, 1842, 77; 1859, 306.
Caffrorum, 1842, 77.
doura, 1842, 77.
halapense, 1873, 239; 1874, 158.
nigrum, 1842, 77.
nutans, 1870, 220, 221.
saccharatum, 1842, 77; 1854, xxii; 1855, xii, 281; 1857, 187; 1865, 301, 303, 304, 305; 1867, 315; 1873, 108.
saccharatum, var. Liberia, 1865, 307.
vulgare, 1854, 219; 1857, 185; 1859, 306; 1865, 300; 1873, 238.
Sparissis crispa, 1876, 80.
laminosa, 1876, 80.
Sparganium, 1847, 520; 1876, 62.
Spartina cynosuroides, 1866, 127; 1869, 62, 637; 1870, 218, 220, 223.
gracilis, 1870, 218.
juncifórmis, 1866, 127.
Spartium, 1868, 123; 1870, 17.
junceum, 1870, 134.
nubigenum, 1858, 336.
Spartium scoparium, 1857, 268; 1859, 359; 1870, 614.
Spergula arvensis, 1854, xxvi; 1864, 303; 1869, 504.
maxima, 1845, 979, 980; 1864, 303.
Sphæria, 1873, 199.
herbarum, 1872, 177.
morbosa, 1863, 572; 1872, 175, 179; 1873, 197; 1874, Plate 4; 1875, 206.
Sphærococcus ciliatus, 1859, 312.
lichenoides, 1859, 312.
Sphagnum, 1868, 185, 329.
palustre, 1860, 67.
Sphenogyne speciosa, 1857, 273.
Spilanthes Brasiliensis, 1859, 356.
oleracea, 1859, 356.
Spinacia glabra, 1859, 355.
oleracea, 1854, 381; 1859, 354.
tetrandra, 1859, 354.
Spiræa, 1868, 123; 1869, 183; 1870, 16.
callosa, 1861, 636.
hypericifolia, 1854, 415.
Reevesiana, 1859, 132.
Spiræeæ, 1868, 123.
Spiranthes cernua, 1866, 126.
gracilis, 1866, 126.
tortilis, 1862, 162.
Spondias, 1868, 270.
dulcis, 1859, 349.
lutea, 1859, 349.
mombin, 1859, 349.
myrobalanus, 1859, 349.
purpurea, 1859, 349.
tuberosa, 1859, 349.
Sporendonema muscæ, 1872, 132.
Sporobolus aroides, 1870, 218.
asperifolius, 1866, 127; 1870, 218.
cryptandrus, 1870, 218; 1872, 141.
heterolepis, 1870, 218, 220, 221, 225.
ramulosus, 1870, 218.
Sporotrichum, 1849, 398.
Sprekelia formosissima, 1873, 313.
Stachys, 1847, 517; 1862, 161.
Stachytarpha Jamaicensis, 1870, 194.
Staphylea, 1868, 123; 1870, 17.
trifoliata, 1875, 158.
Staphyleaceæ, 1868, 123.
Statice, 1847, 515.
Stauntonia, 1868, 122; 1870, 16.
Stellaria, 1868, 281.
media, 1849, 157.
Stenactis speciosa, 1857, 273.
Sterculia, 1868, 123; 1870, 17.
balanghas, 1859, 323.
chica, 1859, 351.
fœtida, 1859, 323.
urens, 1870, 187.
Sterculiaceæ, 1868, 123; 1870, 17, 187, 197.
Stillingia, 1868, 124.
sebifera, 1847, 193; 1850, 451; 1851, 54, 55; 1856, 138; 1875, 169.
Stipa, 1860, 236.
capillata, 1870, 218.
juncea, 1866, 127.
spartea, 1853, 398; 1870, 218, 220.

Stipa tenacissima, 1863, 109; 1868, 260; 1869, 62; 1870, 21; 1876, 288.
viridula, 1866, 127; 1870, 218, 220, 224.
Stizolobium tuberosum, 1859, 311.
Stramonium, 1867, 60.
Stratiotes, 1847, 517.
aloides, 1864, 455.
Streptopus roseus, 1864, 344.
Strombocarpa cinerascens, 1857, 242.
pubescens, 1857, 242; 1860, 434; 1870, 412; 1875, 160.
Strychnos spinosa, 1859, 344.
Stuartia, 1868, 123; 1870, 17.
pentagyna, 1863, 517.
Styphonia integrifolia, 1860, 433; 1872, 141.
Styracaceæ, 1870, 16, 171, 198; 1875, 165.
Styraceæ, 1868, 124.
Styrax, 168, 124; 1870, 16.
benzoin, 1870, 181.
officinale, 1870, 181.
Sutherlandia, 1857, 268.
Symphoricarpus, 1868, 123; 1870, 16.
racemosus, 1870, 415.
Symphytum, 1847, 514.
officinale, 1843, 106.
Symplocarpus fœtidus, 1864, 344; 1865, 517.
Kamtschaticus, 1858, 252.
Symplocos, 1860, 427; 1870, 16.
Alstonia, 1870, 198.
tinctoria, 1860, 421; 1875, 166.
Synandra grandiflora, 1862, 161.
Syringa, 1868, 124; 1870, 17.
vulgaris, 1854, 414; 1864, 339; 1865, 292; 1870, 125.
Syringeæ, 1868, 124.

T.

Tabernæmontana utilis, 1870, 198.
Tacca pinnatifida, 1859, 308, 310.
Tacsonia pinnatistipula, 1857, 264.
Tagetes lucida, 1857, 273.
patula, 1857, 273.
Talinum ciliatum, 1857, 267.
Tamarindus, 1857, 269.
Indica, 1855, lv; 1859, 337; 1870, 14, 203.
occidentalis, 1859, 337.
Tamariscineæ, 1868, 123; 1870, 17; 1875, 155.
Tamarix, 1868, 123; 1870, 17.
Gallica, 1859, 312; 1860, 123.
Tamus, 1847, 521.
Tanacetum, 1847, 519.
elongatum, 1861, 226.
vulgare, 1854, 383.
Taraxacum dens-leonis, 1864, 344; 1865, 514; 1870, 423.
Tasmannia aromatica, 1870, 202.
Taxineæ, 1868, 124.
Taxodium, 1860, 427; 1868, 124; 1870, 17.
mucronatum, 1859, 129.
distichum, 1860, 421; 1875, 184.
Taxus, 1847, 521; 1868, 124; 1869, 174, 181; 1870, 17.
baccata, 1851, 404; 1859, 135; 1865, 636.
Taxus brevifolia, 1860, 431; 1875, 183, 358.
Canadensis, 1860, 417.
Floridana, 1875, 184.
nucifera, 1859, 323.
Tecoma, 1868, 124; 1870, 17.
radicans, 1865, 515; 1868, 203; 1875, 167.
Tephrosia Virginica, 1862, 159.
Terebinthus Indica, 1859, 118.
Terminalia catappa, 1859, 323.
glabrata, 1859, 323.
latifolia, 1859, 323.
Mauritiana, 1859, 323.
Moluccana, 1859, 323.
Ternstrœmiaceæ, 1863, 517; 1875, 155.
Tetragonia expansa, 1854, 382; 1857, 268; 1859, 356.
halimifolia, 1859, 356.
inermis, 1859, 357.
Tetragonella implexicoma, 1859, 357.
Tetragoniaceæ, 1857, 268.
Tetragonolobus purpureus, 1857, 268.
Tetranthera, 1868, 124; 1870, 17.
Californica, 1875, 858.
Teucrium, 1859, 103.
Canadense, 1865, 515.
Thalictrum, 1847, 517.
anemonoides, 1864, 344.
dioicum, 1864, 344.
minus, 1857, 265.
Thea Assamica, 1859, 3; 1863, 517.
bohea, 1855, xliv; 1857, 172; 1859, 8; 1870, 20.
viridis, 1855, xlii, xliv; 1857, 172; 1859, 8; 1860, 448; 1863, 517; 1869, 235; 1870, 19, 170, 192.
Thelephora, 1849, 397.
Thelygonum cynocrambe, 1859, 357.
Theobroma, 1855, xxiii.
bicolor, 1859, 321.
cacao, 1859, 321; 1870, 14, 194.
Guyanensis, 1859, 321.
speciosa, 1859, 321.
sylvestris, 1859, 321.
Theophrastaceæ, 1875, 167.
Thibaudia acuminata, 1859, 560.
Thlaspi, 1847, 518.
bursa-pastoris, 1864, 344.
ruderale, 1861, 224.
Thrinax argentea, 1869, 266.
humilis, 1869, 266.
parviflora, 1875, 186.
Thuja, 1868, 124; 1869, 174, 181; 1870, 17.
arbor-vitæ, 1859, 14.
gigantea, 1860, 431; 1870, 412; 1875, 184, 357.
occidentalis, 1854, 396; 1855, 316; 1860, 417, 431; 1868, 196, 453; 1871, 349; 1875, 184.
plicata, 1860, 431, 433; 1875, 184.
Thujopsis, 1868, 124; 1870, 17.
Thunbergia alata, 1868, 206.
Thymeleaceæ, 1868, 124; 1870, 17.
Thymus, 1847, 517.
serpyllum, 1857, 119; 1870, 175.
vulgaris, 1854, 384.
Tigridia pavonia, 1857, 262.
Tilia, 1847, 517; 1868, 123, 203; 1870, 16.
Americana, 1849, 478; 1860, 417; 1868, 198; 1870, 231; 1875, 155, 342.

Tilia Europæa, 1857, 490, 491; 1860, 66; 1868, 198, 201, 202.
heterophylla, 1860, 421; 1875, 155.
pubescens, 1875, 155.
Tiliaceæ, 1857, 265; 1868, 123; 1870, 16; 1872, 167; 1875, 155.
Tillandsia, 1856, 67.
Tormentilla, 1847, 516.
Torreya, 1860, 427; 1868, 124; 1870, 17; 1875, 358.
Californica, 1860, 432; 1875, 183.
taxifolia, 1860, 422; 1875, 183.
Torula, 1849, 398; 1872, 191; 1873, 188, 193, 196.
cerevisiæ, 1874, 174.
Torulacei, 1872, 191; 1874, 175.
Tragopogon, 1847, 519.
pratensis, 1844, 341; 1859, 356.
porrifolius, 1854, 379; 1857, 274; 1859, 356.
Trapa, 1855, xxx; 1860, 471.
bicornis, 1859, 325.
bispinosa, 1859, 325.
Cochinchinensis, 1859, 325.
natans, 1859, 325; 1876, 62.
quadrispinosa, 1859, 325.
Tremella foliacea, 1876, 80.
mesenterica, 1876, 80.
Trichocephalum, 1857, 270.
Trichodium laxiflorum, 1849, 157.
Tricholoma albellus, 1876, 79.
castus, 1876, 79.
Columbetta, 1876, 79.
consociatus, 1876, 79.
frumentaceus, 1876, 79.
hypopithyus, 1876, 79.
personatus, 1876, 79.
Russula, 1876, 79.
Trichostemma dichotoma, 1862, 160.
Tricuspis mutica, 1870, 219.
pulchella, 1866, 128; 1870, 219.
purpurea, 1866, 127; 1870, 219.
Trifolium, 1847, 519; 1870, 423.
Alexandrinum, 1859, 19.
arvens, 1865, 511.
campestre, 1864, 227.
filiforme, 1854, xxiv.
giganticum, 1857, 268.
hybridum, 1847, 157; 1854, 24; 1865, 352; 1866, 366; 1869, 88, 90.
incarnatum, 1859, 18; 1864, 308; 1866, 367.
involucratum, 1866, 128.
medium, 1854, xxiv.
minus, 1854, 392.
perenne, 1854, xxiv.
pratense, 1860, 76, 129; 1866, 309; 1869, 88, 90; 1872, 418.
repens, 1844, 340; 1854, 392; 1857, 268; 1860, 76, 129; 1864, 310; 1868, 187; 1869, 88, 90.
Triglochin, 1847, 515.
Trigonella esculenta, 1859, 359.
fœnum-græcum, 1857, 268; 1870, 199.
platycarpos, 1859, 359.
suavissima, 1859, 357.
Trillium erectum, 1864, 344.
pictum, 1864, 344.
Tripsacum, 1860, 236.
dactyloides, 1849, 156; 1870, 220.
Trisetum cernuum, 1868, 189.
purpurascens, 1866, 127.
sesquiflorum, 1868, 189.
subspicatum, 1868, 189.
Triticum, 1857, 262.
ægilopoides, 1870, 219, 224.
æstivum, 1857, 262.
amyleum, 1859, 304.
caninum, 1870, 219, 220, 224.
compactum, 1845, 418.
compositum, 1847, 412; 1859, 304.
monoccum, 1859, 304.
Polonicum, 1859, 304; 1861, 339.
repens, 1854, 187.
sativum, 1861, 334.
spelta, 1859, 304.
turgidum, 1845, 418; 1859, 304; 1861, 404.
vulgare, 1859, 303; 1864, 404; 1867, 312; 1868, 116; 1870, 424.
Triumfetta, 1857, 265.
Trollius, 1847, 517.
Tropæolum majus, 1854, 367; 1857, 265; 1859, 356; 1860, 123.
minus, 1859, 356.
pentaphyllum, 1859, 356.
peregrinum, 1857, 265.
tuberosum, 1859, 311.
Tsuga, 1868, 124; 1870, 17.
Tuber cibarium, 1859, 319.
griseum, 1859, 319.
magnatum, 1854, 385.
moschatum, 1859, 319.
niveum, 1859, 319.
Tubulifloræ, 1868, 123.
Tulipa Gesneriana, 1870, 123.
Turritis retrofracta, 1857, 264.
Tussilago farfara, 1864, 344.
Typha, 1847, 520; 1876, 62.

U.

Ulex, 1868, 123; 1871, 17.
Europæus, 1854, xxv, 398; 1857, 268.
strictus, 1854, 399.
Ullucus tuberosus, 1859, 311.
Ulmaceæ, 1868, 176.
Ulmus, 1847, 514; 1850, 30; 1868, 108, 176; 1870, 17.
alata, 1860, 421; 1875, 170, 342.
Americana, 1849, 478; 1860, 417, 420; 1864, 344; 1868, 198; 1875, 170, 342, 344.
campestris, 1860, 66; 1868, 201, 202.
crassifolia, 1860, 420; 1870, 171.
Floridana, 1875, 171.
fulva, 1875, 170, 342, 344.
glabra, 1868, 202.
racemosa, 1860, 417, 419; 1875, 170, 342.
Ulva lactuca, 1859, 319.
latissima, 1864, 465, 467; 1866, 424.
Umbelliferæ, 1857, 275; 1870, 179, 183, 186, 189, 202; 1868, 123.
Umbilicaria pustulosa, 1870, 172.
Uncinula, 1871, 111.
Ungnadia speciosa, 1875, 157.

Uniola, 1860, 237.
latifolia, 1870, 219.
spicata, 1866, 128.
stricta, 1870, 219.
Urceola elastica, 1870, 191; 1876, 64.
Uredo, 1844, 249; 1845, 240, 472, 654; 1847, 413; 1849, 394, 395, 396.
caries, 1862, 103.
fœtida, 1844, 41; 1849, 393.
rubigo, 1845, 662; 1849, 393; 1851, 140.
segetum, 1844, 41; 1849, 393; 1865, 519.
Uredineæ, 1876, 81.
Urtica, 1845, 264; 1847, 520; 1850, 310, 311; 1865, 95.
chamædryoides, 1870, 21.
dioica, 1859, 356; 1865, 517.
gigas, 1860, 139.
heterophylla, 1865, 347; 1867, 225.
nivea, 1855, 245; 1860, 473; 1865, 349; 1869, 11; 1873, 264.
tenacissima, 1855, 245; 1873, 264.
utilis, 1873, 264.
Whitlavii, 1850, 310.
Urticaceæ, 1875, 170.
Ustilagineæ, 1871, 390; 1876, 81.
Ustilago antherarum, 1876, 81.
maidis, 1876, 81.
olivacea, 1876, 81.
segetum, 1876, 81.
typhoides, 1849, 395.
Uvularia sessilifolia, 1864, 344.

V.

Vaccinieæ, 1868, 123.
Vaccinium, 1847, 515; 1859, 344; 1864, 533; 1868, 116, 123; 1870, 16, 614; 1871, 413.
arboreum, 1875, 165.
cæspitosum, 1868, 188.
Chamissonis, 1868, 187.
macrocarpon, 1869, 204, 209; 1870, 415; 1873, 445.
myrtilloides, 1868, 187.
myrtillus, 1859, 347; 1868, 187; 1870, 415.
ovalifolium, 1868, 188.
oxycoccus, 1869, 209, 508.
parvifolium, 1868, 188.
Pennsylvanicum, 1870, 415.
salicinum, 1868, 188.
stamineum, 1870, 415.
tenellum, 1864, 344.
uliginosum, 1859, 347; 1868, 188.
vitis-idæa, 1859, 347; 1868, 187.
Vahea gummifera, 1870, 191.
Valeriana, 1847, 513.
dioica, 1868, 187.
edulis, 1870, 409.
officinalis, 1857, 273.
Valerianaceæ, 1857, 273.
Valerianella, 1847, 513.
olitoria, 1859, 356.
Vallisneria, 1864, 454.
spiralis, 1864, 446, 453; 1866, 429; 1867, 297; 1876, 62.
Vanilla aromatica, 1870, 204.
planifolia, 1855, xxiii; 1870, 204; 1876, 69.
Vaseya comata, 1870, 218.
Vateria Indica, 1870, 183.
Veitchia, 1868, 124.
Veratrum, 1864, 546.
album, 1848, 605, 606; 1870, 77.
Eschscholtzii, 1868, 188.
viride, 1870, 77.
Verbascum, 1847, 514; 1859, 103.
blattaria, 1862, 160; 1865, 515.
thapsus, 1857, 272; 1865, 515.
Verbena, 1847, 513.
aubletia, 1857, 272; 1866, 129.
bracteosa, 1866, 129.
canescens, 1866, 129.
hastata, 1866, 129.
Verbenaceæ, 1875, 167.
Vernonia, 1868, 281.
noveboracensis, 1865, 512.
Veronica, 1847, 513; 1863, 372; 1868, 281.
gentianoides, 1862, 160.
Lindleyana, 1869, 129.
peregrina, 1857, 272.
spicata, 1862, 160.
Virginica, 1862, 160.
Verrucaria geographica, 1870, 172.
Verticillaria, 1870, 188.
Vesicaria grandiflora, 1857, 264.
Viburnum, 1847, 515; 1868, 123; 1870, 16.
acerifolium, 1860, 501.
dentatum, 1867, 72.
lantanoides, 1864, 344.
lentago, 1856, 65; 1875, 164.
obovatum, 1875, 164.
prunifolium, 1868, 281; 1875, 164.
tinus, 1854, 401; 1870, 129.
vulgare, 1868, 188.
Vicia, 1847, 518.
faba, 1854, 336; 1859, 316; 1860, 590; 1864, 337; 1867, 298; 1868, 105.
grandiflora, 1857, 269.
lutea, 1857, 269.
sativa, 1857, 269; 1860, 76; 1863, 306.
Victoria regia, 1862, 157; 1870, 111.
Vilfa aspera, 1870, 218.
cuspidata, 1870, 218.
depauperata, 1870, 218.
tricholepis, 1866, 128; 1870, 218.
vaginæflora, 1870, 218, 224.
Vinca minor, 1864, 344.
Viola, 1847, 520.
blanda, 1864, 344.
lanceolata, 1864, 344.
lutea, 1857, 264.
odorata, 1863, 378.
pedata, 1864, 344.
primutæfolia, 1864, 344.
pubescens, 1864, 344.
tricolor, 1862, 158.
Violaceæ, 1857, 264.
Virgilia lutea, 1860, 501.
Viscaria oculata, 1857, 267.
Viscum, 1848, 212.
album, 1860, 66.
Vismia Guianensis, 1870, 182.
Vitaceæ, 1875, 159.
Vitex, 1868, 124; 1870, 17.

Vitis, 1867, 146.
acerifolia, 1857, 231.
acida, 1861, 486.
æstivalis, 1857, 229, 230, 233; 1859, 32, 65, 66, 67, 538; 1860, 419, 499; 1861, 479, 482; 1862, 197, 198; 1864, 183, 533, 534; 1865, 209; 1866, 129; 1867, 308; 1869, 82, 83, 84; 1872, 485; 1875, 159.
angulata, 1857, 231.
arborea, 1861, 486.
bicolor, 1857, 230.
blanda, 1857, 229.
bipinnata, 1857, 234; 1861, 486; 1866, 129.
bracteata, 1857, 229.
Californica, 1860, 432; 1861, 479, 483; 1870, 415.
callosa, 1857, 230.
canina, 1857, 229.
Caribæa, 1861, 483; 1862, 197.
cordifolia, 1857, 230, 232, 233; 1859, 63, 64, 65, 67, 68, 69, 538; 1860, 419; 1861, 483, 484, 485, 486; 1862, 197; 1865, 209; 1867, 308; 1868, 206; 1869, 82, 83, 85, 87; 1870, 88; 1872, 485; 1875, 159.
ferruginea, 1857, 229.
hyemalis, 1857, 230.
incisa, 1861, 486.
indivisa, 1857, 234; 1861, 486.
labrusea, 1857, 228, 229, 232, 233; 1859, 33, 62, 63, 65, 66, 68, 69, 342, 538, 539; 1860, 419; 1861, 479, 481, 496, 500; 1862, 197, 198; 1864, 133; 1865, 209; 1867, 305, 307, 308; 1869, 81, 82, 83, 84, 87; 1870, 88.
labruscoides, 1857, 229.
latifolia, 1857, 229.
Linsecomii, 1861, 485.
luteola, 1857, 229.
monticola, 1861, 485.
mustangensis, 1861, 482.
obovata, 1857, 229.
occidentalis, 1857, 229.
odoratissima, 1857, 231, 232.
palmata, 1857, 231, 232.
prolifica, 1857, 229.
pullaria, 1857, 230.
punctata, 1859, 67.
riparia, 1857, 230, 231, 233; 1861, 483, 484; 1873, 389.
rotundifolia, 1857, 230, 231; 1861, 479, 484; 1868, 214.
rugosa, 1857, 229.
rupestris, 1859, 539; 1861, 485; 1866, 129.
sinuata, 1859, 68, 69.
sylvestris, 1857, 229.
tenuifolia, 1857, 229.
verrucosa, 1857, 231.
vinifera, 1859, 62, 342, 540; 1860, 438; 1861, 480; 1862, 195; 1863, 148, 149, 482, 483; 1864, 528; 1867, 305, 308; 1868, 119; 1869, 83, 86, 87.
Virginiana, 1857, 231.
vulpina, 1857, 229, 230, 231, 234; 1859, 34, 538; 1860, 421; 1861, 484; 1862, 197; 1865, 330; 1868, 214; 1869, 83, 85.
Volvaria bombycinus, 1876, 79.
speciosus, 1876, 79.

W.

Weigelia, 1859, 132.
Widdringtonia, 1868, 124.
Willughbeia edulis, 1859, 336.
Wistaria, 1868, 123; 1870, 17.
sinensis, 1868, 205.

X.

Xanthium spinosum, 1865, 513; 1869, 504.
strumarium, 1865, 513.
Xanthochymus dulcis, 1859, 336.
Xanthoxylaceæ, 1857, 276; 1870, 202.
pictorius, 1859, 336.
Xanthoxylum, 1868, 123; 1870, 17.
Americanum, 1856, 71; 1857, 241; 1860, 420.
Carolinianum, 1857, 241; 1860, 421.
fraxineum, 1854, 405.
piperitum, 1870, 202.
pterota, 1857, 241; 1860, 421.
Ximenia Americanum, 1875, 156.

Y.

Yucca, 1850, 311; 1864, 494; 1869, 61.
aloifolia, 1854, 403.
angustifolia, 1869, 62.
baccata, 1860, 433; 1870, 418.
brevifolia, 1875, 186.
Treculiana, 1875, 186, 357.

Z.

Zalacca edulis, 1859, 343.
Zanthoxylaceæ, 1875, 156.
Zanthoxylum Americanum, 1875, 156.
Carolinianum, 1875, 156.
Floridanum, 1875, 156.
pterota, 1875, 156.
Zea mays, 1847, 411; 1849, 231; 1854, 357; 1857, 185, 262; 1859, 305; 1861, 262; 1864, 312; 1867, 296; 1870, 292, 420.
Zilla myagroides, 1859, 354.
Zingiber officinale, 1854, 354; 1855, xxiv; 1868, 110; 1870, 202; 1871, 107.
Zingiberaceæ, 1870, 200, 202, 203.
Zinnia elegans, 1857, 273.
grandiflora, 1857, 273.
multiflora, 1857, 273.
Zizania aquatica, 1855, 256; 1868, 532; 1870, 218, 422.
Zizyphus, 1868, 123; 1870, 17.
jujuba, 1859, 338.
lotus, 1859, 343.
lycioides, 1857, 240; 1875, 157.
obtusifolia, 1857, 240; 1875, 157.
Parryi, 1857, 241.
sativa, 1854, xxxii; 1858, 384.
vulgaris, 1859, 339; 1876, 70,
Zostera, 1847, 520.
Zygophyllaceæ, 1870, 186, 202; 1875, 155.
Zygophyllum fabago, 1859, 359; 1870, 202.

NAMES OF ANIMALS NOT BELONGING TO THE PRECEDING DIVISIONS.

A.

Actinea anguicoma, 1844, 467.
carneola, 1844, 467.
clavata, 1844, 467.
crassicornis, 1844, 467.
dianthus, 1844, 467.
gemmacea, 1844, 467.
marginata, 1844, 467.
mesembryanthemum, 1844, 467.
napiformis, 1844, 467.
obstructa, 1844, 467.
Anguillula, 1871, 118; 1872, 194.
fluviatilis, 1871, 118.
tritici, 1871, 118.
Architenthis dux, 1874, 317.
Ascarides, 1869, 390.
Astacus Bartonii, 1864, 457.
fluviatilis, 1864, 457.

B.

Buccinum, 1864, 468.
obsoletum, 1864, 469.
undatum, 1864, 469.
Bothriocephalus latus, 1869, 390.
Branchipus stagnalis, 1864, 457.

C.

Cardium edule, 1864, 470.
Cœnurus cerebralis, 1869, 390.
Crangon septemspinosus, 1864, 469.
Crotalophorus tergeminus, 1856, 82, 87.
Cysticerci, 1869, 391.
Cysticercus cellulosæ, 1869, 390.
fasciolaris, 1869, 390.
pisiformis, 1869, 390.
tenuicollis, 1869, 390.

D.

Distoma lanceolatum, 1869, 390.
Dracunculus medinensis, 1869, 390.

E.

Entozoa, 1869, 389, 390.
Epizoa, 1869, 389.
Eutænia radix, 1856, 88.
sirtalis, 1856, 88.

F.

Fasciola hepatica, 1869, 390.
Filaris, 1874, 438.
Furgur carica, 1864, 468.
Fusus cinereus, 1864, 469.

G.

Gelasimus vocans, 1864, 469.
Glammarus minus, 1864, 457.

I.

Infusoria, 1864, 529, 531.

L.

Libinia canaliculata, 1864, 469.
Limnea columella, 1864, 456.
fragilis, 1864, 456.
Lupa dicantha, 1864, 469.

M.

Monas prodigiosa, 1865, 329.
Mytilus borealis, 1864, 470.

O.

Orphibolus eximius, 1856, 88, 92.

P.

Pagurus Bernhardus, 1864, 468,
longicarpus, 1864, 468.
pollicaris, 1864, 468.
Paludina achatina, 1864, 456.
vivipara, 1864, 456.
Pecten concentricus, 1864, 469.
Physa fontinalis, 1864, 456.
Planorbis bicarinatus, 1864, 456.
trivolvus, 1864, 456.
Prodigium farinæ, 1865, 329.
Pyrula, 1864, 468.
canaliculata, 1864, 469.

R.

Rotatoria, 1871, 118.

S.

Salamandra rubra, 1864, 458.
Scotophis vulpinus, 1856, 88.
Serpula contortuplicata, 1864, 467.

T.

Tænia crassicollis, 1869, 390.
echinococcus, 1869, 389.
mediocanellata, 1869, 390.
serrata, 1869, 390.
solium, 1869, 390.
Tardigrada, 1871, 118.
Trichina spiralis, 1869, 390, 391, 392.
Trichinæ, 1869, 391, 392, 393, 394.
Triton cristatus, 1864, 458.
punctatus, 1864, 458.

U.

Unio anodonta, 1856, 106.
plicatus, 1856, 106.

Z.

Zonitis, 1868, 95.

SMITHSONIAN INSTITUTION LIBRARIES

SMITHSONIAN INSTITUTION LIBRARIES
3 9088 00228457 8
nmah Z5075.U5U51 1879
A general index of the agricultural repo